



SERVER GRADE POWER GUIDE BOOK

ZIPPY TECHNOLOGY CORP.

ServerGradePower GuideBook



For the Future of Our Planet



PREMIER
COMPUTER

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SERVER GRADE POWER



Profile

ZIPPY TECHNOLOGY CORPORATION, POWER DIVISION establishes the well-known EMACS brand and manufactures high quality POWER SUPPLIES for File Servers, Industrial PC's (IPC), Storage Systems, Workstations, Blade Servers, Communications, and Networking Equipment.

We are an innovator in both technology and design, creating high efficiency power supplies that substantially reduce energy costs. We continuously push ourselves to improve the functionality and the design of the power supplies for more compact and higher output products.

Factory

Zippy Technologies Corp. has invested a tremendous amount of time and effort in our Shop Floor System and Computerized Testing Equipment. Our goal is to develop the highest quality products and establish the most efficient manufacturing process all while reducing production costs and meeting the demands of an ever-changing market.

Our Flexible Production System allows us to make various adjustments to our production schedule. We have achieved this by integrating our production process into a company-wide network, which allows us to meet the schedule requirements of the most demanding customers.

Our factory is located in Taipei, Taiwan. With a capacity of approximately 100,000 units per month, Zippy Technology has always emphasized its flexibility, customization, and quality.

R&D

Our power division is particularly well known for manufacturing highly reliable and high-power redundant power supplies with outstanding quality.

More than 30 professional engineers devote themselves to design and develop products with the latest equipment and testing tools. Our expertise and experience allow us to reduce the time to market for new designs, achieving lead times three to six months faster than our competitors.



Passive Backplane Design

Many redundant systems utilize passive backplanes, where the components on the backplane perform monitoring and voltage compensation functions only. In the rare event of backplane failure, it is likely the supply will continue to operate.

Modular Technology

Modular power supply units provide great flexibility in space challenged applications, when designed into today's common and custom server chassis designs.

Load Sharing

Our redundant Power Supplies are all based on load sharing technology, which help to provide more reliable operation and a longer life for each individual module.

True Wattage

Our power supplies are designed to work at 100% of their specified load, indefinitely, over their lifetime. Unlike other manufacturers who often specify peak wattage which is only available in short bursts.

Quality Control

We received EMACS' ISO-9001 Quality Certification in 1994. In every aspect of our operation, we follow both the guidelines and the spirit of this quality system. We work hard to continuously improve our Production System, bringing it in line with the strictest quality requirements. We have dramatically reduced the occurrence of re-worked and scrapped product as well as other production errors. All our products are tested and meet numerous international safety and EMI standards.

Our strict quality management begins with product design, through the development and onto service and support. Our goal is always to build the safest and the most reliable product with the best professional service available. This has allowed our brand name to become a synonym for Quality throughout the world.





**Enabling Your High Efficiency Power Supply Solutions
GO GREEN with us!**

As an industry leading provider of OEM/ODM high efficiency power supply solutions, Zippy manufactures a broad range of green solutions for the rapidly growing green market. No matter what your sustainable objectives are, you can count on us for energy efficient and recyclable solutions.

For more info, please visit www.zippy.com

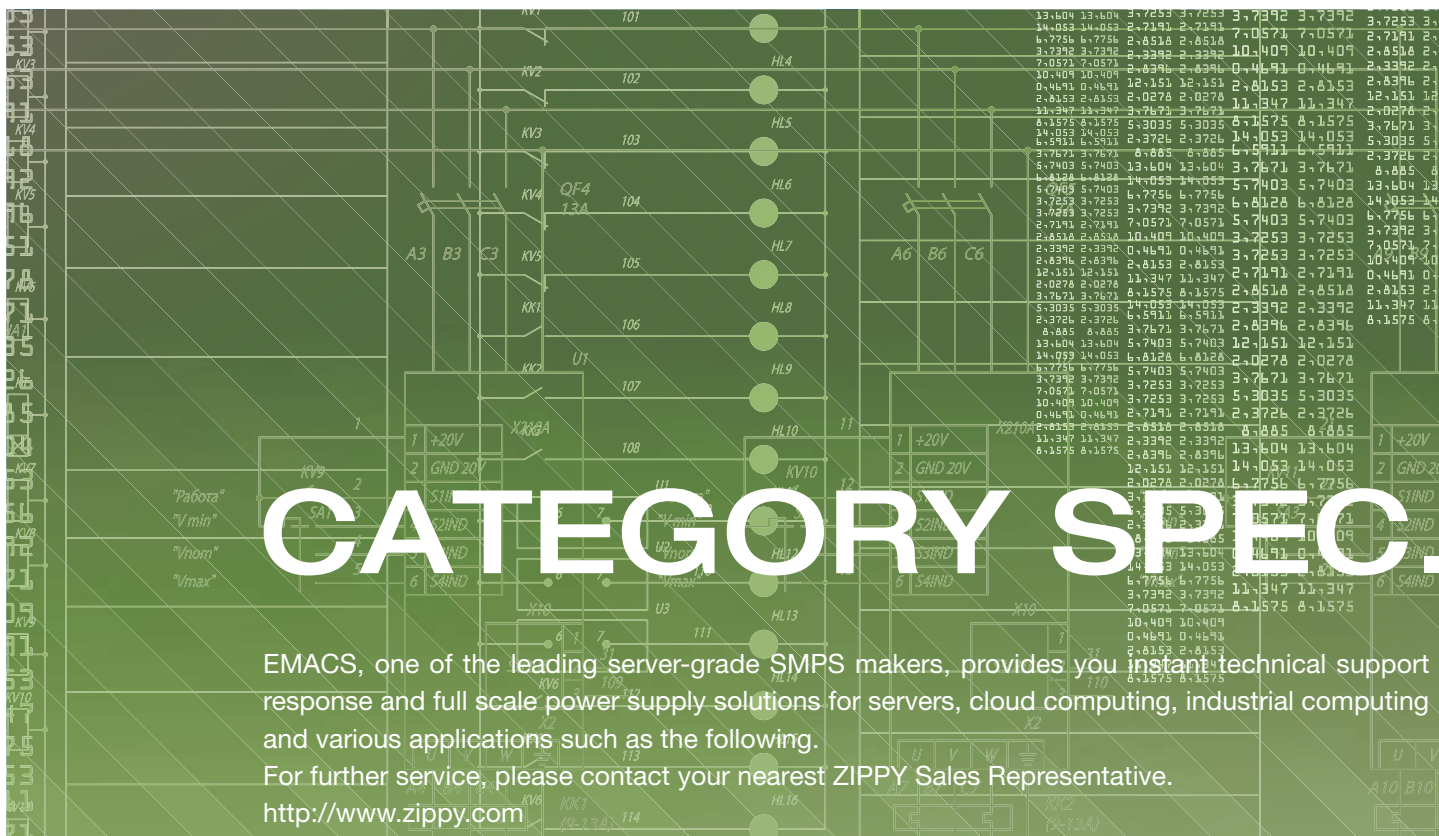
Quality Standard Certification and Compliances

1. IECQ QC080000 - Quality Assessment for Electronic Components
(Electrical and Electronic Components and Products Hazardous Substance Free Standard and Requirements)
2. RoHS - 6/6 since March 2008

Our Initiatives

- High-Efficiency Power Supplies - 84%-86% efficient compared to industry average of 65%
(Gold+ compliant design in progress)
- High-Efficiency VRM designs on backplane - 85%-93% compared to industry average of 70%-80%
- 6/6 RoHS - both EU and China standards
- Maximize Packaging recyclability - separate EPE foam and cardboard to minimize contaminations
- Fan speed control design - minimizes power consumption and noise from the fan





CATEGORY SPEC

EMACS, one of the leading server-grade SMPS makers, provides you instant technical support response and full scale power supply solutions for servers, cloud computing, industrial computing and various applications such as the following.

For further service, please contact your nearest ZIPPY Sales Representative.
<http://www.zippy.com>



High Efficiency Power Supply

Until today, ten 80+ Gold, twelve Silver, nineteen Bronze and many 80+ Certified Power Supply items are ready for Energy-saving. Zippy is still in progress to develop new power-supplies with high-efficiency ratings.



Cloud Power Series

Cloud computing technology ready. Zippy announced cloud computing technology for some high efficiency PSU. This technology can monitor and control cloud computing power operations anywhere via the Internet.



Micro Redundant Power Supply

Micro redundant Power Series also can be used in 1U chassis; moreover, it is also suitable for MINI ATX and 1U SERVERS. Compact size with redundancy advantage. Choose Zippy Micro Redundant Power Supplies.



Medical Power Series

Meets Medical Power Supply requirements : UL , TUV , IEC 60601.



Telecom Power Series

Telecom power series utilizes DC-DC power and it can be applied to all types of communications systems.



Open Frame Power Supply

Silent and Fanless, Zippy (EMACS) Open Frame Solutions set a new industry standard in design and performance.



PMBus solution

A smart option, to let you monitor power supply operating conditions through analog-to-digital interface.



True Redundant Power Supply

With over 20 years of design experience, EMACS Power Series delivers superior performance. Multiple outputs per module can withstand the most rigorous systems with unsurpassed reliability.



EMACS introduces a wide range of high efficiency power supplies, which will further our reputation for manufacturing superior quality power supplies and reduce energy costs.

Most of our newly developed power supplies have now received 80PLUS certification. Please contact our worldwide sales team for more details.

Form Factor	Model	Wattage	Typical Efficiency (50%)	Rating
1U(230V Internal)	R1S-1120V	120	85.73	Bronze
1U(230V Internal)	P1S-2400V	400	90.58	Silver
1U(230V Internal)	P1S-2500V	500	91.28	Silver
1U(230V Internal)	M1P-2500V	500	89.13	Silver
1U(230V Internal)	MRW-3600V-R	600	89.98	Silver
1U(230V Internal)	C2W-3620V-R	620	87.70	Bronze
1U(230V Internal)	C2W-3820V-R	820	87.76	Bronze
1U(230V Internal)	GIN-3500V	500	90.57	Silver
1U(230V Internal)	GIN-3600V	600	90.10	Silver
1U(230V Internal)	GIN-3800V	800	91.78	Silver
1U(230V Internal)	M1U-2750V	750	92.52	Gold
1U(230V Internal)	K1N-2800V	800	92.02	Gold
1U(230V Internal)	M1W-2600G	600	92.91	Gold
1U(230V Internal)	M1W-2810V	810	90.15	Silver
1U(230V Internal)	G1W-3660V	660	90.77	Silver
1U(230V Internal)	G1W-3760V	760	90.19	Silver
1U(230V Internal)	G1W-3960V	960	92.18	Gold
1U(230V Internal)	G1W-3A10V	1010	92.15	Gold
1U(230V Internal)	M1W-2A10V	1010	92.32	Gold
1U(230V Internal)	M1W-2C00V	1200	92.39	Gold
1U(230V Internal)	M1W-2E00V	1400	92.30	Gold
1U(230V Internal)	PSG-2A00V	1000	92.24	Gold
1U(230V Internal)	PSS-2A00V	1000	92.30	Gold

Form Factor	Model	Wattage	Typical Efficiency (50%)	Rating
1U(230V Internal)	PSS-2C00V	1200	92.34	Gold
1U(230V Internal)	PSS-2E00V	1400	92.35	Gold
1U(230V Internal)	T1W-3A10V	1010	90.47	Silver
1U	V1E-5250V	250	86.74	Bronze
1U	V1E-5300V	300	85.41	Standard
1U	V1E-5350V	350	85.46	Standard
1U	H1U-5300V	300	86.34	Bronze
1U	H1U-5320V	320	85.86	Standard
1U	P1S-5300V	300	83.92	Standard
1U	P1H-5400V	400	85.34	Standard
1U	P1H-5500G	500	90.72	Gold
1U	P1H-5600V	500	86.17	Bronze
1U	P1H-5550V	550	86.16	Bronze
1U	H1M-5607V	600	86.95	Bronze
1U	H1M-5707V	700	87.08	Bronze
1U	P1D-5600V	600	85.32	Standard
1U	P1D-5700V	700	85.43	Standard
1U	Y1U-5650V	650	86.92	Bronze
2U	V2H-5350V	350	84.89	Standard
2U	V2H-5400V	400	85.00	Standard
2U	V2H-5435V	435	85.40	Standard
2U	P2G-5500V	500	85.57	Standard
2U	P2G-5600V	600	86.13	Bronze

Form Factor	Model	Wattage	Typical Efficiency (50%)	Rating
2U	P2S-5650V	650	85.87	Standard
2U	P2H-5400V	400	84.69	Standard
2U	P2H-5500V	500	85.71	Bronze
2U	P2H-5550V	550	85.91	Bronze
2U	P2M-5600V	600	85.34	Standard
2U	P2M-5700V	700	85.65	Standard
2U	P2M-5800V	800	85.72	Standard
PS2	GP2-5500V	500	86.23	Standard
PS2	GP2-5600V	600	87.11	Bronze
PS2	HG2-5400V	400	85.61	Standard
PS2	HG2-5500V	500	86.13	Standard
PS2	HG2-5600V	600	86.95	Bronze
PS2	HU2-5560V	560	85.84	Standard
PS2	HU2-5660V	660	86.46	Bronze
PS2	HU2-5760V	760	86.11	Bronze
PS2	HU2-5860V	860	86.60	Standard
PS2	PSM-5660V	660	86.83	Bronze
PS2	PSM-5760V	760	86.61	Bronze
PS2	PSM-5860V	860	86.53	Standard
PS2	PSL-6A00V	1000	87.71	Bronze
PS2	PSL-6C00V	1200	88.66	Silver

CERTIFICATE



ERP EN62075
RWTUV



ISO9001



ISO9001



QC 080000



ZIPPY TECHNOLOGY CORP.



EMACS ALWAYS USED ASSISTING YOU TO ACHIEVE SUCCESS SMOOTHLY VIA READY-AHEAD SOLUTIONS, BRAND NEW DESIGNS POWER SUPPLY AS BELOW, PLEASE CONTACT OUR GLOBAL SERVICE FOR MORE DETAILS.

SUPPORT MULTIPLE SYSTEMS

ULTRA DENSITY-WATTAGE POWER SUPPLY, WITH COMPACT SIZE AND REDUNDANCY BOTH ADVANTAGES.

PSU FOR DUAL SYSTEMS

- P1D-5400V/5600V/5700V (400/600/700W)
- P1D-3940V (940W)
- KIN1-5A00V4D (1000W)
- M1W4-6D50P(D) (1350W)



PSU FOR QUAD SYSTEMS

- MTW4-5H80V3H(Q) (1780W)

INTELLIGENT POWER CENTER

AS POWER CENTER IS OPERATING INTELLIGENT AS IN SMART FORMING.

SAVING SPACE. SAVING YOUR TOTAL COST. SAVING END CUSTOMER OPERATION COST. SAVING YOUR TIME OF REPAIR. SAVING YOUR TIME OF SYSTEM DESIGN. SAVING THE POWER CABLE SPACE. AUTOMATED POWER PROVISIONING



- M1K6-5DH0V0H (4800W)

SUPPORT HEAVY-DUTY HDD STORAGE

HYBRID OF HEAVY-POWER-DESIGN PSU, DULY DRIVING FOR MASS BUNCHES HD STORAGE DYNAMIC OPERATION.

- GHM2-5400V4V (400W)
- MHZ2-5550V3V (550W)
- AHN2-5400V (400~600W)
- MHW2-5900V3V (900W)



BATTERY BACKUP POWER SYSTEM

BBR – BATTERY - BACKUP REDUNDANT POWER SUPPLY, FULLY INPUT-SAFETY MANAGEMENT

- UR1V1-5275V (275W)
- UM1S2-5500V (500W)
- UM1U2-5650V (650W)























































FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
1U	MQ1G-1035V-40	35W	AC 90-240V	101.6 / 4	50.8 / 2	30 / 1.18					28
1U	MQ1G-1050V-5	50W	AC 90-240V	101.6 / 4	50.8 / 2	30 / 1.18					29
1U	MQ1G-1060V-12	60W	AC 90-240V	101.6 / 4	50.8 / 2	30 / 1.18					30
1U	MQ1G-1060V-24	60W	AC 90-240V	101.6 / 4	50.8 / 2	30 / 1.18					30
1U	MQ1G-1060V-40	60W	AC 90-240V	101.6 / 4	50.8 / 2	30 / 1.18					30
1U	MQ1G-1060V-48	60W	AC 90-240V	101.6 / 4	50.8 / 2	30 / 1.18					30
1U	MQ1D-5120V	120W	PFC	190 / 7.48	83.8 / 3.3	40 / 1.57					31
1U	MP1S-5220V	220W	PFC	190 / 7.48	81.5 / 3.21	40.3 / 1.59					32
1U	MP1S-5300V	300W	PFC	190 / 7.48	81.5 / 3.21	40.3 / 1.59					32
1U	MP1S-6400V	400W	PFC	250 / 9.84	81.5 / 3.21	40.3 / 1.59					33
1U	MV1E-5350V	350W	PFC	260 / 10.24	100 / 3.94	40.5 / 1.59					34
2U	MP2M-5435V	435W	PFC	270 / 10.63	100 / 3.94	70 / 2.76					35
PS2	MHG2-6300P	300W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					36
PS2	MHG2-6350P	350W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					36
PS2	MHG2-6400P	400W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					36
PS2	MHU2-5400V	400W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					37
PS2	MPSM-5500V	500W	PFC	160 / 6.3	150 / 5.91	86 / 3.39					38
PS2	MPSM-5600V	600W	PFC	160 / 6.3	150 / 5.91	86 / 3.39					38
1U	Q1L-5060V	60W	AC 90-240V	176 / 6.93	39 / 1.54	39 / 1.54					39
1U	Q1J-1050V-5	50W	AC 90-240V	101.6 / 4	50.8 / 2	39 / 1.54					40
1U	Q1J-1060V-12	60W	AC 90-240V	101.6 / 4	50.8 / 2	39 / 1.54					40
1U	Q1J-1060V-24	60W	AC 90-240V	101.6 / 4	50.8 / 2	39 / 1.54					40
1U	Q1J-1060V-48	60W	AC 90-240V	101.6 / 4	50.8 / 2	39 / 1.54					40
 1U	Q1I-1060V12	60W	AC 90-240V	114.5 / 4.51	50.8 / 2	38 / 1.5					41
1U	Q1I-2050V-053	50W	AC 90-240V	114.5 / 4.51	50.8 / 2	38 / 1.5					41
1U	Q1I-2060V-123	60W	AC 90-240V	114.5 / 4.51	50.8 / 2	38 / 1.5					41
1U	Q1I-2060V-125	60W	AC 90-240V	114.5 / 4.51	50.8 / 2	38 / 1.5					41
1U	Q1H-5060V	60W	AC 90-240V	127 / 5	50.8 / 2	38 / 1.5					42
1U	Q1F-1150V12	150W	PFC	127 / 5	76.2 / 3	40 / 1.57					43
1U	Q1F-1150V24	150W	PFC	127 / 5	76.2 / 3	40 / 1.57					43
 1U	Q1F-1150V48	150W	PFC	127 / 5	76.2 / 3	40 / 1.57					43
1U	Q1F-2150V123	150W	PFC	127 / 5	76.2 / 3	40 / 1.57					44
1U	Q1F-2150V125	150W	PFC	127 / 5	76.2 / 3	40 / 1.57					44
1U	Q1D-5120V	120W	PFC	165 / 6.5	83.8 / 3.3	39 / 1.54					45
1U	Q1K-5150V	150W	PFC	186 / 7.32	100 / 3.94	39.5 / 1.56					46
1U	Q1K-5200V	200W	PFC	186 / 7.32	100 / 3.94	39.5 / 1.56					46

























FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
1U	Q1M-5300V	300W	PFC	200 / 7.87	100 / 3.94	43 / 1.69				47	
1U MODULE	G1X-1060V12	60W	PFC	135 / 5.31	50.5 / 1.99	38 / 1.5				48	
1U REDUNDANT	G1X2-1060V12	60W	PFC	190 / 7.48	106 / 4.17	39.5 / 1.56	G1X-1060V-12			49	
1U REDUNDANT	G1X2-5060V	60W	PFC	190 / 7.48	106 / 4.17	39.5 / 1.56	G1X-1060V			50	
1U REDUNDANT	DG1X-1060V12	60W	PFC	135 / 5.31	50.5 / 1.99	38 / 1.5				51	
1U REDUNDANT	DG1X2-5060V	60W	PFC	190 / 7.48	106 / 4.17	39.5 / 1.56	DG1X-1060V			52	
1U REDUNDANT	RH1E-1067V	60W	PFC	200 / 7.87	100 / 3.94	40 / 1.57				53	
DC 1U	AN1U-5150V	150W	DC 12V	40.5 / 1.59	100 / 3.94	20.6 / 0.81				54	
DC 1U	AB1U-5120V	120W	DC 10~36V	152 / 5.98	83.8 / 3.3	38 / 1.5				55	
DC 1U	BB1U-6150V	150W	DC 18~36V	152 / 5.98	84 / 3.31	39 / 1.54				56	
EASYSWAP	GIN1-5800V4H	800W	PFC	397 / 15.63	79 / 3.11	40 / 1.57				57	
EASYSWAP	GIN1-5800V4D	800W	PFC	397 / 15.63	79 / 3.11	40 / 1.57				58	
EASYSWAP	KIN1-5A00V4D	1000W	PFC	397 / 15.63	79 / 3.11	40 / 1.57				59	
EASYSWAP	KIN1-5A00V4H	1000W	PFC	397 / 15.63	79 / 3.11	40 / 1.57	KIN-2A00V			60	
EASYSWAP	P1Z-6350P	350W	PFC	265 / 10.43	100.8 / 3.97	41.8 / 1.65				61	
EASYSWAP	P1Z-6400P	400W	PFC	265 / 10.43	100.8 / 3.97	41.8 / 1.65				61	
EASYSWAP	P1W-6520P	520W	PFC	300 / 11.81	100.8 / 3.97	41.8 / 1.65				62	
EASYSWAP	M1W1-5A10V3H	600W	PFC	300 / 11.81	101 / 3.98	41.5 / 1.63				63	
EASYSWAP	M1P1-5500V	1010W	PFC	320 / 11.27	98.4 / 3.87	40 / 1.57				64	
EASYSWAP	BMTW1-5601V4H	600W	PFC	240 / 9.45	102 / 4.02	41 / 1.61				65	
1U	P1S-1130V48	130W	PFC	120 / 4.72	81.5 / 3.21	40.3 / 1.59				66	
1U	P1S-1131V48	130W	PFC	120 / 4.72	81.5 / 3.21	40.3 / 1.59				66	
1U	P1S-2120V	120W	PFC	120 / 4.72	81.5 / 3.21	40.3 / 1.59				67	
1U	P1S-5150V	150W	PFC	150 / 5.91	81.5 / 3.21	40.3 / 1.59				68	
1U	P1S-5151V	150W	PFC	150 / 5.91	81.5 / 3.21	40.3 / 1.59				68	
1U	P1S-5180V	180W	PFC	150 / 5.91	81.5 / 3.21	40.3 / 1.59				68	
1U	P1S-5221V	220W	PFC	150 / 5.91	81.5 / 3.21	40.3 / 1.59				68	
1U	P1S-5200V	200W	PFC	150 / 5.91	81.5 / 3.21	40.3 / 1.59				69	
1U	P1S-5220V	220W	PFC	150 / 5.91	81.5 / 3.21	40.3 / 1.59				70	
1U	P1S-5300V	300W	PFC	150 / 5.91	81.5 / 3.21	40.3 / 1.59				71	
1U	P1S-6300V	300W	PFC	150 / 5.91	81.5 / 3.21	40.3 / 1.59				71	
1U	P1S-2300V	300W	PFC	150 / 5.91	81.5 / 3.21	40.3 / 1.59				72	
1U	P1S-2400V	400W	PFC	150 / 5.91	81.5 / 3.21	40.3 / 1.59				72	
1U	P1S-2500V	500W	PFC	150 / 5.91	81.5 / 3.21	40.3 / 1.59				72	
1U	P1S-2507V	500W	PFC	170 / 6.69	81.5 / 3.21	40.3 / 1.59				73	
1U	P1S-2300V48	300W	PFC	150 / 5.91	81.5 / 3.21	40.3 / 1.59				74	















































FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
1U	P1S-2400V48	400W	PFC	150 / 5.91	81.5 / 3.21	40.3 / 1.59					74
1U	P1S-2500V48	500W	PFC	150 / 5.91	81.5 / 3.21	40.3 / 1.59					74
1U	P1S-2507V48	500W	PFC	170 / 6.69	81.5 / 3.21	40.3 / 1.59					74
1U	P1P-5400V	400W	PFC	170 / 6.69	81.5 / 3.21	40.3 / 1.59					75
1U	P1P-5401V	400W	PFC	170 / 6.69	81.5 / 3.21	40.3 / 1.59					75
1U	P1E-6300V	300W	PFC	190 / 7.48	81.5 / 3.21	40.3 / 1.59					76
1U	P1E-6301V	300W	PFC	190 / 7.48	81.5 / 3.21	40.3 / 1.59					76
1U	P1L-6400P	400W	PFC	300 / 11.81	106 / 4.17	40 / 1.57					77
1U	P1L-6460P	460W	PFC	300 / 11.81	106 / 4.17	40 / 1.57					77
1U	P1L-6480P	480W	PFC	300 / 11.81	106 / 4.17	40 / 1.57					77
1U	H1U-6150P	150W	PFC	155 / 6.1	100 / 3.94	40 / 1.57					78
1U	H1U-6200P	200W	PFC	155 / 6.1	100 / 3.94	40 / 1.57					78
1U	H1U-6250P	250W	PFC	155 / 6.1	100 / 3.94	40 / 1.57					78
1U	H1U-5300V	300W	PFC	155 / 6.1	100 / 3.94	40 / 1.57					79
1U	H1U-5320V	320W	PFC	155 / 6.1	100 / 3.94	40 / 1.57					79
1U	H1A-6400P	400W	PFC	155 / 6.1	100 / 3.94	40 / 1.57					80
1U	P1A-6200P	200W	PFC	190 / 7.48	100 / 3.94	40.5 / 1.59					81
1U	P1A-6250P	250W	PFC	190 / 7.48	100 / 3.94	40.5 / 1.59					81
1U	P1A-6300P	300W	PFC	205 / 8.07	100 / 3.94	40.5 / 1.59					82
1U	P1A-6201P	200W	PFC	190 / 7.48	100 / 3.94	40.5 / 1.59					83
1U	P1A-6221P	220W	PFC	190 / 7.48	100 / 3.94	40.5 / 1.59					83
1U	P1A-6301P	300W	PFC	190 / 7.48	100 / 3.94	40.5 / 1.59					83
1U	P1X-6200P	200W	PFC	190 / 7.48	100 / 3.94	40.5 / 1.59					84
1U	P1X-6250P	250W	PFC	190 / 7.48	100 / 3.94	40.5 / 1.59					84
1U	P1X-6300P	300W	PFC	190 / 7.48	100 / 3.94	40.5 / 1.59					84
1U	PX1-5251P	250W	PFC	190 / 7.48	100 / 3.94	40.5 / 1.59					85
1U	P1U-6150P	150W	PFC	190 / 7.48	100 / 3.94	40 / 1.57					86
1U	P1U-6180P	180W	PFC	190 / 7.48	100 / 3.94	40 / 1.57					86
1U	P1U-6200P	200W	PFC	190 / 7.48	100 / 3.94	40 / 1.57					86
1U	P1U-6207P	200W	PFC	190 / 7.48	100 / 3.94	40 / 1.57					86
1U	P1U-5150I	150W	PFC	190 / 7.48	100 / 3.94	40.3 / 1.59					87
1U	P1U-5200I	200W	PFC	190 / 7.48	100 / 3.94	40.3 / 1.59					87
1U	P1U-5300I	300W	PFC	190 / 7.48	100 / 3.94	40.3 / 1.59					87
1U	P1U-5400I	400W	PFC	190 / 7.48	100 / 3.94	40.3 / 1.59					87
1U	P1G-6250P	250W	PFC	205 / 8.07	100 / 3.94	40.5 / 1.59					88
1U	P1G-6300P	300W	PFC	205 / 8.07	100 / 3.94	40.5 / 1.59					88

FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
1U	P1G-6305P	300W	PFC	205 / 8.07	100 / 3.94	40.5 / 1.59					88
1U	P1H-6350P	350W	PFC	225 / 8.86	100 / 3.94	40.5 / 1.59					89
1U	P1H-6400P	400W	PFC	225 / 8.86	100 / 3.94	40.5 / 1.59					89
1U	P1H-5400V	400W	PFC	225 / 8.86	100 / 3.94	40.5 / 1.59					90
1U	P1H-5500V	500W	PFC	225 / 8.86	100 / 3.94	40.5 / 1.59					90
1U	P1H-5550V	550W	PFC	225 / 8.86	100 / 3.94	40.5 / 1.59					90
1U	P1H-5407V	400W	PFC	225 / 8.86	100 / 3.94	40.5 / 1.59					91
 1U	P1H-5501V	500W	PFC	225 / 8.86	100 / 3.94	40.5 / 1.59					91
 1U	P1H-5551V	550W	PFC	225 / 8.86	100 / 3.94	40.5 / 1.59					91
1U	P1H-5507V	500W	PFC	225 / 8.86	100 / 3.94	40.5 / 1.59					91
 1U	P1H-5557V	550W	PFC	225 / 8.86	100 / 3.94	40.5 / 1.59					91
 1U	P1H-5420G	420W	PFC	225 / 8.86	100 / 3.94	40.5 / 1.59					92
 1U	P1H-5500G	500W	PFC	225 / 8.86	100 / 3.94	40.5 / 1.59					92
 1U	P1H-5420E	420W	PFC	225 / 8.86	100 / 3.94	40.5 / 1.59					93
1U	H1H-6500P	500W	PFC	225 / 8.86	100 / 3.94	40.5 / 1.59					94
1U	H1H-6507P	500W	PFC	250 / 9.84	100 / 3.94	40.5 / 1.59					95
1U	V1E-5250V	250W	PFC	210 / 8.27	100 / 3.94	40.5 / 1.59					96
1U	V1E-5300V	300W	PFC	210 / 8.27	100 / 3.94	40.5 / 1.59					96
1U	V1E-5350V	350W	PFC	210 / 8.27	100 / 3.94	40.5 / 1.59					96
1U	H1M-6550P	550W	PFC	225 / 8.86	100 / 3.94	40.5 / 1.59					97
1U	H1M-6600P	600W	PFC	225 / 8.86	100 / 3.94	40.5 / 1.59					97
1U	H1M-6557P	550W	PFC	250 / 9.84	100 / 3.94	40.5 / 1.59					98
1U	H1M-6607P	600W	PFC	250 / 9.84	100 / 3.94	40.5 / 1.59					98
1U	H1M-5600V	600W	PFC	250 / 9.84	100 / 3.94	40.5 / 1.59					99
1U	H1M-5700V	700W	PFC	250 / 9.84	100 / 3.94	40.5 / 1.59					99
1U	H1M-5800V	800W	PFC	250 / 9.84	100 / 3.94	40.5 / 1.59					99
1U	H1M-5607V	600W	PFC	275 / 10.83	100 / 3.94	40.5 / 1.59					100
1U	H1M-5707V	700W	PFC	275 / 10.83	100 / 3.94	40.5 / 1.59					100
1U	H1M-5807V	800W	PFC	275 / 10.83	100 / 3.94	40.5 / 1.59					100
1U	P1M-6350P	350W	PFC	250 / 9.84	100 / 3.94	40.5 / 1.59					101
1U	P1M-6400P	400W	PFC	250 / 9.84	100 / 3.94	40.5 / 1.59					101
1U	P1M-6420P	420W	PFC	250 / 9.84	100 / 3.94	40.5 / 1.59					101
1U	P1N-6250P	250W	PFC	250 / 9.84	100 / 3.94	40.5 / 1.59					102
1U	P1N-6300P	300W	PFC	250 / 9.84	100 / 3.94	40.5 / 1.59					102
1U	P1D-5400V	400W	PFC	300 / 11.81	100 / 3.94	40.5 / 1.59					103
1U	P1D-5600V	600W	PFC	300 / 11.81	100 / 3.94	40.5 / 1.59					103

















FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
1U	P1D-5700V	700W	PFC	300 / 11.81	100 / 3.94	40.5 / 1.59				103	
1U	P1D-3940V	940W	PFC	300 / 11.81	100 / 3.94	40.5 / 1.59				104	
1U	M1U-2750V(D)	750W	PFC	300 / 11.81	50.5 / 1.99	40 / 1.57				105	
1U	Y1U-5650V	650W	PFC	330 / 12.99	72 / 2.83	40.5 / 1.59				106	
1U	H1W-5AD0V	1400W	PFC	295 / 11.61	100 / 3.94	40 / 1.57				107	
2U	P2U-6300P	300W	PFC	200 / 7.87	100 / 3.94	70 / 2.76				108	
2U	P2U-6320P	320W	PFC	200 / 7.87	100 / 3.94	70 / 2.76				108	
2U	V2H-5350V	350W	PFC	215 / 8.46	100 / 3.94	70 / 2.76				109	
2U	V2H-5400V	400W	PFC	215 / 8.46	100 / 3.94	70 / 2.76				109	
2U	V2H-5435V	435W	PFC	215 / 8.46	100 / 3.94	70 / 2.76				109	
2U	P2H-6350P	350W	PFC	240 / 9.45	100 / 3.94	70 / 2.76				110	
2U	P2H-6400P	400W	PFC	240 / 9.45	100 / 3.94	70 / 2.76				110	
2U	P2H-5400V	400W	PFC	240 / 9.45	100 / 3.94	70 / 2.76					111
2U	P2H-5500V	500W	PFC	240 / 9.45	100 / 3.94	70 / 2.76					111
2U	P2H-5550V	550W	PFC	240 / 9.45	100 / 3.94	70 / 2.76					111
2U	P2H-5501V	500W	PFC	240 / 9.45	100 / 3.94	70 / 2.76				111	
2U	P2W-6600P	600W	PFC	300 / 11.81	100 / 3.94	70 / 2.76				112	
2U	P2W-6650P	650W	PFC	300 / 11.81	100 / 3.94	70 / 2.76				112	
2U	P2W-6700P	700W	PFC	300 / 11.81	100 / 3.94	70 / 2.76				112	
2U	P2G-6400P	400W	PFC	240 / 9.45	100 / 3.94	70 / 2.76				113	
2U	P2G-6435P	435W	PFC	240 / 9.45	100 / 3.94	70 / 2.76				113	
2U	P2G-6460P	460W	PFC	240 / 9.45	100 / 3.94	70 / 2.76				113	
2U	P2G-6510P	510W	PFC	240 / 9.45	100 / 3.94	70 / 2.76				113	
2U	P2G-6510PE	510W	PFC	240 / 9.45	100 / 3.94	70 / 2.76				113	
2U	P2G-5500V	500W	PFC	240/9.45	100/3.94	70/2.76				114	
2U	P2G-5600V	600W	PFC	240/9.45	100/3.94	70/2.76				114	
2U	P2G-5650V	650W	PFC	240/9.45	100/3.94	70/2.76				114	
2U	P2G-5600G	600W	PFC	240/9.45	100/3.94	70/2.76				115	
2U	P2M-6550P	550W	PFC	270 / 10.63	100 / 3.94	70 / 2.76				116	
2U	P2M-6600P	600W	PFC	270 / 10.63	100 / 3.94	70 / 2.76				116	
2U	P2M-6601P	600W	PFC	270 / 10.63	100 / 3.94	82.5 / 3.25				116	
2U	P2M-5600V	600W	PFC	280 / 11.02	100 / 3.94	70 / 2.76				117	
2U	P2M-5700V	700W	PFC	280 / 11.02	100 / 3.94	70 / 2.76				117	
2U	P2M-5800V	800W	PFC	280 / 11.02	100 / 3.94	70 / 2.76				117	
2U	P2P-5650P	650W	PFC	280 / 11.02	100 / 3.94	82.5 / 3.25				118	
2U	P2P-5700P	700W	PFC	280 / 11.02	100 / 3.94	82.5 / 3.25				118	











FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
2U	P2L-6600P	600W	PFC	300 / 11.81	106 / 4.17	82.5 / 3.25					119
2U	P2L-6650P	650W	PFC	300 / 11.81	106 / 4.17	82.5 / 3.25					119
2U	P2L-6700P	700W	PFC	300 / 11.81	106 / 4.17	82.5 / 3.25					119
3U	H3M-6500P	500W	PFC	265 / 10.43	100 / 3.94	120 / 4.72					120
3U	H3M-6600P	600W	PFC	265 / 10.43	100 / 3.94	120 / 4.72					120
3U	P3M-9950P	950W	PFC	300 / 11.81	100 / 3.94	120 / 4.72					121
PS2	HG2-6300P	300W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					122
PS2	HG2-6350P	350W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					122
PS2	HG2-6400P	400W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					122
PS2	HP2-6400P	400W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					123
PS2	HP2-6460P	460W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					123
PS2	HP2-6500P	500W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					123
PS2	HG2-5400V	400W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					124
PS2	HG2-5500V	500W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					124
PS2	HG2-5600V	600W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					124
PS2	HU2-5560V	560W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					125
PS2	HU2-5660V	660W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					125
PS2	HU2-5760V	760W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					125
PS2	HU2-5860V	860W	PFC	140 / 5.51	150 / 5.91	86 / 3.39					125
PS2	GU2-5950V	950W	PFC	160 / 6.3	150 / 5.91	86 / 3.39					126
PS2	GU2-5A00V	1000W	PFC	160 / 6.3	150 / 5.91	86 / 3.39					126
PS2	GU2-5C00V	1200W	PFC	160 / 6.3	150 / 5.91	86 / 3.39					126
PS2+	PSM-6550P	550W	PFC	160 / 6.3	150 / 5.91	86 / 3.39					127
PS2+	PSM-6600P	600W	PFC	160 / 6.3	150 / 5.91	86 / 3.39					127
PS2+	PSM-5660V	660W	PFC	160 / 6.3	150 / 5.91	86 / 3.39					128
PS2+	PSM-5760V	760W	PFC	160 / 6.3	150 / 5.91	86 / 3.39					128
PS2+	PSM-5860V	860W	PFC	160 / 6.3	150 / 5.91	86 / 3.39					128
 PS2+	PSM-5600G	600W	PFC	160 / 6.3	150 / 5.91	86 / 3.39					129
PS2+	PSL-6850P(LH)	850W	PFC	220 / 8.66	150 / 5.91	84 / 3.31					130
PS2+	PSA-6600P	600W	PFC	220 / 8.66	150 / 5.91	86 / 3.39					131
PS2+	PSA-6650P	650W	PFC	220 / 8.66	150 / 5.91	86 / 3.39					131
PS2+	PSA-6700P	700W	PFC	220 / 8.66	150 / 5.91	86 / 3.39					131
 PS2+	PSA-6601P	600W	PFC	220 / 8.66	150 / 5.91	86 / 3.39					131
PS2+	PSL-6600P	600W	PFC	220 / 8.66	150 / 5.91	86 / 3.39					132
PS2+	PSL-6700P	700W	PFC	220 / 8.66	150 / 5.91	86 / 3.39					132
PS2+	PSL-6701P	700W	PFC	220 / 8.66	150 / 5.91	86 / 3.39					132

FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
PS2+	PSL-6720P	720W	PFC	220 / 8.66	150 / 5.91	86 / 3.39					133
PS2+	PSL-6800P	800W	PFC	220 / 8.66	150 / 5.91	86 / 3.39					133
PS2+	PSL-6850P	850W	PFC	220 / 8.66	150 / 5.91	86 / 3.39					133
PS2+	SSL-9800P	800W	PFC	220 / 8.66	150 / 5.91	86 / 3.39					134
PS2+	SSL-9850P	850W	PFC	220 / 8.66	150 / 5.91	86 / 3.39					134
PS2+	PSL-6A00V	1000W	PFC	220 / 8.66	150 / 5.91	86 / 3.39					135
PS2+	PSL-6C00V	1200W	PFC	220 / 8.66	150 / 5.91	86 / 3.39					135
 PS2+	PSL-6AH0V	1800W	PFC	250 / 9.84	150 / 5.91	86 / 3.39					136
 1U REDUNDANT	R1T2-5120V	120W	PFC	215 / 8.46	106 / 4.17	41.5 / 1.63	R1T-1120V				137
1U REDUNDANT	M1S2-5400V4H	400W	PFC	355 / 13.98	106 / 4.17	41.3 / 1.63	M1S-3400V				138
1U REDUNDANT	M1S2-5500V4H	500W	PFC	355 / 13.98	106 / 4.17	41.3 / 1.63	M1S-3500V				138
 1U REDUNDANT	M1S2-5550V4H	550W	PFC	355 / 13.98	106 / 4.17	41.3 / 1.63	M1S-3550V				138
1U REDUNDANT	M1S2-5401V4H	400W	PFC	355 / 13.98	106 / 4.17	41.3 / 1.63	M1S-3401V				138
1U REDUNDANT	M1S2-5501V4H	500W	PFC	355 / 13.98	106 / 4.17	41.3 / 1.63	M1S-3501V				138
1U REDUNDANT	M1S2-5551V4H	550W	PFC	355 / 13.98	106 / 4.17	41.3 / 1.63	M1S-3551V				138
1U REDUNDANT	M1V2-5800V4H	800W	AC 240V	355 / 13.98	106 / 4.17	41.3 / 1.63	M1V-2800V				139
1U REDUNDANT	M1V2-5801V4H	800W	PFC	355 / 13.98	106 / 4.17	41.3 / 1.63	M1V-2800V				139
1U REDUNDANT	M1U2-5650V4H	650W	PFC	355 / 13.98	106 / 4.17	41.3 / 1.63	M1U-2650V				140
1U REDUNDANT	M1U2-5750V4H	750W	PFC	355 / 13.98	106 / 4.17	41.3 / 1.63	M1U-2750V				140
1U REDUNDANT	M1U2-5651V4H	650W	PFC	355 / 13.98	106 / 4.17	41.3 / 1.63	M1U-2650V				140
1U REDUNDANT	M1U2-5751V4H	750W	PFC	355 / 13.98	106 / 4.17	41.3 / 1.63	M1U-2750V				140
 1U REDUNDANT	M1U2-2650V4H	650W	PFC	355 / 13.98	106 / 4.17	41.8 / 1.65	M1U-2650V				141
1U REDUNDANT	R1U2-5220V4H	220W	PFC	260 / 10.24	106 / 4.17	41.3 / 1.63	R1U-2220V				142
1U REDUNDANT	R1V2-5275V4H	275W	PFC	295 / 11.61	106 / 4.17	41.3 / 1.63	R1V-2275V				143
1U REDUNDANT	M1K2-5A00V4H	1000W	PFC	400 / 15.75	106 / 4.17	41.3 / 1.63	M1K-2A00V				144
1U REDUNDANT	M1K2-5C00V4H	1200W	PFC	400 / 15.75	106 / 4.17	41.3 / 1.63	M1K-2C00V				144
1U REDUNDANT	M1K2-5A01V4H	1000W	PFC	400 / 15.75	106 / 4.17	41.3 / 1.63	M1K-2C00V				144
1U REDUNDANT	M1K2-5C01V4H	1200W	PFC	400 / 15.75	106 / 4.17	41.3 / 1.63	M1K-2C00V				144
1U REDUNDANT	M1P2-5420V4H	420W	PFC	230 / 9.06	176 / 6.93	41.8 / 1.65	M1P-2420V				145
 1U REDUNDANT	M1P2-5500V4H	500W	PFC	230 / 9.06	176 / 6.93	41.8 / 1.65	M1P-2500V				145
1U REDUNDANT	R1S2-5120V0H	120W	PFC	230 / 9.06	176 / 6.93	41.8 / 1.65	R1S-1120V				146
1U REDUNDANT	R1S2-5180V4H	180W	PFC	230 / 9.06	176 / 6.93	41.8 / 1.65	P1S-2180V-R				147
1U REDUNDANT	R1S2-5300V4H	300W	PFC	230 / 9.06	176 / 6.93	41.8 / 1.65	P1S-2300V-R				147
1U REDUNDANT	R1S2-5380V4H	380W	PFC	230 / 9.06	176 / 6.93	41.8 / 1.65	P1S-2400V-R				147
1U REDUNDANT	R1M-6251P	250W	PFC	260 / 10.24	180 / 7.09	40.6 / 1.6	MIN-6250P				148
1U REDUNDANT	R1Z-6350P	350W	PFC	265 / 10.43	206 / 8.11	41.5 / 1.63	R2Z-6350P-R				149






















































FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
1U REDUNDANT	R1Z-6400P	400W	PFC	265 / 10.43	206 / 8.11	41.5 / 1.63	R2Z-6400P-R				149
1U REDUNDANT	M1Z2-6420P3H	420W	PFC	265 / 10.43	206 / 8.11	41.5 / 1.63	M1Z-6420P3				150
1U REDUNDANT	G1W2-5760V3H	760W	PFC	330 / 12.99	206 / 8.11	41.5 / 1.63	G1W-3760V				151
1U REDUNDANT	RP1U-5240V	240W	PFC	270 / 10.63	100 / 3.94	40.5 / 1.59					152
2U REDUNDANT	M1V2-5800V4V	800W	PFC	400 / 15.75	54.5 / 2.15	84.6 / 3.33	M1V-2800V				153
2U REDUNDANT	M1V2-5801V4V	800W	AC 240V	400 / 15.75	54.5 / 2.15	84.6 / 3.33	M1V-2800V				153
2U REDUNDANT	M1U2-5650V4V	650W	PFC	400 / 15.75	54.5 / 2.15	84.6 / 3.33	M1U-2650V				154
2U REDUNDANT	M1U2-5750V4V	750W	PFC	400 / 15.75	54.5 / 2.15	84.6 / 3.33	M1U-2750V				154
2U REDUNDANT	M1U2-5651V4V	650W	PFC	400 / 15.75	54.5 / 2.15	84.6 / 3.33	M1U-2750V				154
2U REDUNDANT	M1U2-5751V4V	750W	PFC	400 / 15.75	54.5 / 2.15	84.6 / 3.33	M1U-2750V				154
2U REDUNDANT	M1K2-5A00V4V	1000W	PFC	425 / 16.73	54.5 / 2.15	84.6 / 3.33	M1K-2C00V				155
2U REDUNDANT	M1K2-5C00V4V	1200W	PFC	425 / 16.73	54.5 / 2.15	84.6 / 3.33	M1K-2C00V				155
2U REDUNDANT	M1K2-5A01V4V	1000W	PFC	425 / 16.73	54.5 / 2.15	84.6 / 3.33	M1K-2C00V				155
2U REDUNDANT	M1K2-5C01V4V	1200W	PFC	425 / 16.73	54.5 / 2.15	84.6 / 3.33	M1K-2C00V				155
 2U REDUNDANT	PSS2-5A00V3V	1000W	PFC	385 / 15.16	65 / 2.56	84 / 3.31	PSS-2A00V				156
2U REDUNDANT	MIN2-6251P	250W	PFC	230 / 9.06	82 / 3.23	85 / 3.35	MIN-6251P				157
 2U REDUNDANT	R1S2-5120V0V	120W	PFC	150 / 5.91	85 / 3.35	84 / 3.31	R1S-1120V				158
2U REDUNDANT	R1S2-5300V4V	300W	PFC	207 / 8.15	85 / 3.35	84 / 3.31	P1S-2300V-R				159
2U REDUNDANT	R1S2-5380V4V	380W	PFC	207 / 8.15	85 / 3.35	84 / 3.31	P1S-2400V-R				159
2U REDUNDANT	M1P2-5420V4V	420W	PFC	217 / 8.54	85 / 3.35	84 / 3.31	M1P-2420V				160
2U REDUNDANT	M1P2-5500V4V	500W	PFC	217 / 8.54	85 / 3.35	84 / 3.31	M1P-2500V				160
2U REDUNDANT	GTM2-5400V4V	400W	PFC	254 / 10	101 / 3.98	82 / 3.23	GTM-5400V				161
2U REDUNDANT	M1Z2-6400P3V	400W	PFC	265 / 10.43	101.2 / 3.98	84 / 3.31	M1Z-6400P3				162
2U REDUNDANT	M1Z2-6420P3V	420W	PFC	265 / 10.43	101.2 / 3.98	84 / 3.31	M1Z-6420P3				162
2U REDUNDANT	M1Z2-5400V3V	400W	PFC	265 / 10.43	101.2 / 3.98	84 / 3.31	M1Z-5400V				163
2U REDUNDANT	M1Z2-5460V3V	460W	PFC	265 / 10.43	101.2 / 3.98	84 / 3.31	M1Z-5400V				163
2U REDUNDANT	M1Z2-5500V3V	500W	PFC	265 / 10.43	101.2 / 3.98	84 / 3.31	M1Z-5500V				163
2U REDUNDANT	M1Z2-5550V3V	550W	PFC	265 / 10.43	101.2 / 3.98	84 / 3.31	M1Z-5550V				163
 2U REDUNDANT	M1W2-5600G0V	600W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	M1W-2600G				164
2U REDUNDANT	M1W2-5500V3V	500W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	M1W-3500V				165
2U REDUNDANT	M1W2-5600V3V	600W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	M1W-3600V				165
2U REDUNDANT	M1W2-5810V3V	810W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	M1W-2810V				166
2U REDUNDANT	M1W2-5910V3V	910W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	M1W-2910V				166
 2U REDUNDANT	M1W2-5911V3V	910W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	M1W-2910V				166
2U REDUNDANT	M1W2-5A10V3V	1010W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	M1W-2A10V				166
2U REDUNDANT	M1W2-5C00V3V	1200W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	M1W-2A10V				166




































FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE	
	2U REDUNDANT	M1W2-5E00V3V	1400W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	M1W-2A10V				166
	2U REDUNDANT	M1W2-5E01V3V	1400W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	M1W-2A10V				166
	2U REDUNDANT	G1W2-5660V3V	660W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	G1W-3660V				167
	2U REDUNDANT	G1W2-5760V3V	760W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	G1W-3760V				167
	2U REDUNDANT	G1W2-5860V3V	860W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	G1W-3860V				167
	2U REDUNDANT	G1W2-5960V3V	960W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	G1W-3960V				167
	2U REDUNDANT	G1W2-5A10V3V	1010W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	G1W-3A10V				168
	2U REDUNDANT	G1W2-5C00V3V	1200W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	G1W-3C00V				168
	2U REDUNDANT	M1L2-5650P3V	650W	PFC	330 / 12.99	101.2 / 3.98	84 / 3.31	M1L-5650P3				169
	2U REDUNDANT	M1L2-5700P3V	700W	PFC	330 / 12.99	101.2 / 3.98	84 / 3.31	M1L-5700P3				169
	2U REDUNDANT	R2Z-6350P	350W	PFC	265 / 10.43	101.2 / 3.98	84 / 3.31	R2Z-6350P-R				170
	2U REDUNDANT	R2Z-6400P	400W	PFC	265 / 10.43	101.2 / 3.98	84 / 3.31	R2Z-6400P-R				170
	2U REDUNDANT	R2G-5420P4V	420W	PFC	276 / 10.87	101 / 3.98	82 / 3.23	R2G-6300P-R				171
	2U REDUNDANT	R2G-6300P	300W	PFC	300 / 11.81	101 / 3.98	82 / 3.23	R2G-6300P-R				172
	2U REDUNDANT	R2G-6350P	350W	PFC	300 / 11.81	101 / 3.98	82 / 3.23	GIN-6350P				172
	2U REDUNDANT	R2G-5420V4V	420W	PFC	276 / 10.87	101 / 3.98	82 / 3.23	GIN-3500V				173
	2U REDUNDANT	R2G-5500V4V	500W	PFC	276 / 10.87	101 / 3.98	82 / 3.23	GIN-3500V				173
	2U REDUNDANT	R2G-5600V4V	600W	PFC	276 / 10.87	101 / 3.98	82 / 3.23	GIN-3600V				173
	2U REDUNDANT	ATN2-5400V	400W	PFC	300 / 11.81	101 / 3.98	82 / 3.23	ATN-5400V				174
	2U REDUNDANT	ATN2-5500V	500W	PFC	300 / 11.81	101 / 3.98	82 / 3.23	ATN-5500V				174
	2U REDUNDANT	ATN2-5600V	600W	PFC	300 / 11.81	101 / 3.98	82 / 3.23	ATN-5600V				174
	2U REDUNDANT	K1S2-5820V4V	820W	PFC	340 / 13.39	80 / 3.15	84 / 3.31	K1S-2820V				175
	2U REDUNDANT	R2W-5600P3V	600W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	R2W-5600P-R				176
	2U REDUNDANT	R2W-6400P	400W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	R2W-6400P-R				177
	2U REDUNDANT	R2W-6460P	460W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	R2W-6460P-R				177
	2U REDUNDANT	R2W-6500P	500W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	R2W-6500P-R				177
	2U REDUNDANT	M2W-6460P	460W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	M1W-6460P				178
	2U REDUNDANT	M2W-6500P	500W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	M1W-6500P				178
	2U REDUNDANT	M2W-6550P	550W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	M1W-6550P				178
	2U REDUNDANT	MTW2-5660V3V	660W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	MTW-5660V				179
	2U REDUNDANT	MTW2-5760V3V	760W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	MTW-5760V				179
	2U REDUNDANT	MTW2-5820V3V	820W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	MTW-5820V				179
	2U REDUNDANT	MTW2-5900V3V	900W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	MTW-5900V				179
	2U REDUNDANT	MTW2-5901V3V	900W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	MTW-5900V				179
	2U REDUNDANT	R2K-5800V	800W	PFC	340 / 13.39	101 / 3.98	82 / 3.23	KIN-2800V				180
	2U REDUNDANT	R2K-5A00V	1000W	AC 240V	340 / 13.39	101 / 3.98	82 / 3.23	KIN-2800V				180

FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
2U REDUNDANT	R2K-5C00V	1200W	PFC	340 / 13.39	101 / 3.98	82 / 3.23	KIN-2800V				180
2U REDUNDANT	R2A-5350P	350W	PFC	220 / 8.66	120 / 4.72	85 / 3.35	R2A-5350P-R				181
2U REDUNDANT	R2A-6300P	300W	PFC	220 / 8.66	120 / 4.72	85 / 3.35	R2A-6300P-R				182
2U REDUNDANT	R2A-6320P	320W	PFC	220 / 8.66	120 / 4.72	85 / 3.35	R2A-6320P-R				182
MINI REDUNDANT	RSPM-6300P	300W	PFC	160 / 6.3	150 / 5.91	86 / 3.39					183
MINI REDUNDANT	MRP-6420P	420W	PFC	185 / 7.28	150 / 5.91	86 / 3.39	MRP-6420P-R				184
MINI REDUNDANT	MRT-6300P	300W	PFC	185 / 7.28	150 / 5.91	86 / 3.39	MRT-6300P-R				185
MINI REDUNDANT	MRT-6320P	320W	PFC	185 / 7.28	150 / 5.91	86 / 3.39	MRT-6320P-R				185
 MINI REDUNDANT	MRT-5320GOV	320W	PFC	330 / 12.99	101.2 / 3.98	84 / 3.31	MRT-2320V-R				186
MINI REDUNDANT	MRW-6350P	350W	PFC	185 / 7.28	150 / 5.91	86 / 3.39	MRW-6350P-R				187
MINI REDUNDANT	MRW-6400P	400W	PFC	185 / 7.28	150 / 5.91	86 / 3.39	MRW-6400P-R				187
MINI REDUNDANT	MRW-6420P	420W	PFC	185 / 7.28	150 / 5.91	86 / 3.39	MRW-6420P-R				187
MINI REDUNDANT	MRW-5450V4V	450W	PFC	185 / 7.28	150 / 5.91	86 / 3.39	MRW-3450V-R				188
MINI REDUNDANT	MRW-5500V4V	500W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	MRW-3500V-R				188
MINI REDUNDANT	MRW-5600V4V	600W	PFC	300 / 11.81	101.2 / 3.98	84 / 3.31	MRW-3600V-R				188
MINI REDUNDANT	MRG-6460P	460W	PFC	330 / 12.99	101.2 / 3.98	84 / 3.31	MRG-6460P-R				189
MINI REDUNDANT	MRG-6500P	500W	PFC	265 / 10.43	101.2 / 3.98	84 / 3.31	MRG-6500P-R				189
MINI REDUNDANT	MRG-5700V4V	700W	PFC	265 / 10.43	101.2 / 3.98	84 / 3.31	MRG-3700V-R				190
MINI REDUNDANT	MRG-5800V4V	800W	PFC	276 / 10.87	101 / 3.98	82 / 3.23	MRG-3800V-R				190
MINI REDUNDANT	R2U-6300P	300W	PFC	300 / 11.81	101 / 3.98	82 / 3.23	R2U-6300P-R				191
MINI REDUNDANT	MX3-6550P	550W	PFC	300 / 11.81	101 / 3.98	82 / 3.23	MX1-6300P				192
MINI REDUNDANT	MX3-6600P	600W	PFC	276 / 10.87	101 / 3.98	82 / 3.23	MX1-6325P				192
MINI REDUNDANT	MX3-5700P	700W	PFC	276 / 10.87	101 / 3.98	82 / 3.23	MX1-5350P				193
MINI REDUNDANT	MX3-5750P	750W	PFC	276 / 10.87	101 / 3.98	82 / 3.23	MX1-5375P				193
MINI REDUNDANT	MRM-6550P	550W	PFC	300 / 11.81	101 / 3.98	82 / 3.23	MRM-6550P-R				194
MINI REDUNDANT	MRM-6600P	600W	PFC	300 / 11.81	101 / 3.98	82 / 3.23	MRM-6600P-R				194
MINI REDUNDANT	MRM-6650P	650W	PFC	340 / 13.39	80 / 3.15	84 / 3.31	MRM-6650P-R				194
 MINI REDUNDANT	MRH2-5AD0V0H	1400W	PFC	280 / 11.02	150 / 5.91	86 / 3.39	MRH-2AD0V				195
PS2*2 REDUNDANT	RHD-6400P	400W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	HP2-6460P-R				196
PS2*2 REDUNDANT	RHD-6460P	460W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	HP2-6500P-R				196
PS2*2 REDUNDANT	RHI-6400P	400W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	HP2-6460P-R				197
PS2*2 REDUNDANT	RHI-6460P	460W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	HP2-6500P-R				197
PS2*2 REDUNDANT	RHH-6400P	400W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	HP2-6460P-R				198
PS2*2 REDUNDANT	RHH-6460P	460W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	HP2-6500P-R				198
N + 1 REDUNDANT	G1M3-5570P4V	570W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	G1M-5300P				199
N + 1 REDUNDANT	G1M4-5810P4V	810W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	G1M-5300P				200




FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
N + 1 REDUNDANT	M1Z3-6760P3V	760W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	M1Z-6400P3				201
N + 1 REDUNDANT	M1Z3-6800P3V	800W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	M1Z-6420P3				201
N + 1 REDUNDANT	M1Z3-5950V3V	950W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	M1Z-5500V				202
N + 1 REDUNDANT	M1Z3-5A45V3V	1045W	PFC	300 / 11.81	101 / 3.98	84 / 3.31	M1Z-5550V				202
N + 1 REDUNDANT	M1Z3-5950V3H	950W	PFC	340 / 13.39	101 / 3.98	82 / 3.23	M1Z-5500V				203
 N + 1 REDUNDANT	MTW3-5C50V3V	1250W	PFC	340 / 13.39	101 / 3.98	82 / 3.23	MTW-5660V				204
N + 1 REDUNDANT	M3W-6950P	950W	PFC	340 / 13.39	101 / 3.98	82 / 3.23	M1W-6500P				205
N + 1 REDUNDANT	M4W-6D50P	1350W	PFC	220 / 8.66	120 / 4.72	85 / 3.35	M1W-6500P				206
 N + 1 REDUNDANT	MTW4-5H80V3V	1780W	PFC	220 / 8.66	120 / 4.72	85 / 3.35	MTW-5660V				207
N + 1 REDUNDANT	R3U-6460P	460W	PFC	220 / 8.66	120 / 4.72	85 / 3.35	MIN-6250P				208
N + 1 REDUNDANT	R3G-5800P4V	800W	PFC	160 / 6.3	150 / 5.91	86 / 3.39	GIN-5420P				209
N + 1 REDUNDANT	R3G-6650P	650W	PFC	185 / 7.28	150 / 5.91	86 / 3.39	GIN-6350P				210
N + 1 REDUNDANT	R3G-5500V4V	500W	PFC	185 / 7.28	150 / 5.91	86 / 3.39	GIN-3800V				211
N + 1 REDUNDANT	R3G-5800V4V	800W	PFC	185 / 7.28	150 / 5.91	86 / 3.39	GIN-3800V				211
N + 1 REDUNDANT	R3G-5950V4V	950W	PFC	185 / 7.28	150 / 5.91	86 / 3.39	GIN-3500V				211
N + 1 REDUNDANT	R3G-5B40V4V	1140W	PFC	185 / 7.28	150 / 5.91	86 / 3.39	GIN-3600V				211
N + 1 REDUNDANT	SPH2-5A00V4H	1000W	PFC	185 / 7.28	150 / 5.91	86 / 3.39	SPH-2A00V				212
N + 1 REDUNDANT	SPH2-5C00V4H	1200W	PFC	185 / 7.28	150 / 5.91	86 / 3.39	SPH-2C00V				212
N + 1 REDUNDANT	MR3-6450P	450W	PFC	185 / 7.28	150 / 5.91	86 / 3.39	MIN-6250P				213
N + 1 REDUNDANT	MR3-6460P	460W	PFC	254 / 10	150 / 5.91	82 / 3.23	MIN-6250P				213
N + 1 REDUNDANT	MR3-6480P	480W	PFC	254 / 10	150 / 5.91	82 / 3.23	MIN-6250P				213
N + 1 REDUNDANT	GIH3-6650P	650W	PFC	330 / 12.99	290 / 11.42	42 / 1.65	GIN-6350P				214
 N + 1 REDUNDANT	M1P4-6D50V4H	1350W	PFC	260 / 10.24	359 / 14.13	41.8 / 1.65	M1P-2500V				215
N + 1 REDUNDANT	M1G3-6930P	930W	PFC	335 / 13.19	369 / 14.53	42 / 1.65	M1G-6500P				216
N + 1 REDUNDANT	M1Z4-5A80V3H	1080W	PFC	310 / 12.2	422 / 16.61	43 / 1.69	M1Z-5460V				217
N + 1 REDUNDANT	M1Z4-5C40V3H	1240W	PFC	310 / 12.2	422 / 16.61	43 / 1.69	M1Z-5460V				217
N + 1 REDUNDANT	M1Z4-5D50V3H	1350W	PFC	310 / 12.2	422 / 16.61	43 / 1.69	M1Z-5500V				217
N + 1 REDUNDANT	M1Z4-5E85V3H	1485W	PFC	310 / 12.2	422 / 16.61	43 / 1.69	M1Z-5550V				217
N + 1 REDUNDANT	M1W3-6950P	950W	PFC	330 / 12.99	383 / 15.08	42 / 1.65	M1W-6500P				218
N + 1 REDUNDANT	M1W3-5B40P3H	1140W	PFC	330 / 12.99	383 / 15.08	43 / 1.69	M1W-5600P				219
N + 1 REDUNDANT	M1W3-5F40V3H	1540W	PFC	330 / 12.99	383 / 15.08	43 / 1.69	M1W-2810V				220
N + 1 REDUNDANT	M1W4-5G20P3V	1620W	PFC	300 / 11.81	101 / 3.98	166 / 6.54	M1W-5600P				221
N + 1 REDUNDANT	M1W4-5K40P3V	2040W	PFC	300 / 11.81	101 / 3.98	166 / 6.54	M1W-5600P				221
N + 1 REDUNDANT	M1W4-5G20P3H	1620W	PFC	340 / 13.39	422 / 16.61	43 / 1.69	M1W-5600P				222
N + 1 REDUNDANT	M1W4-6D50P	1350W	PFC	340 / 13.39	422 / 16.61	43 / 1.69	M1W-6500P				223
N + 1 REDUNDANT	M1W4-5L80V3H	2180W	PFC	340 / 13.39	422 / 16.61	43 / 1.69	M1W-2810V				224

	FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
	N + 1 REDUNDANT	M1W4-5050V3H	2450W	PFC	340 / 13.39	422 / 16.61	43 / 1.69	M1W-2910V				224
	N + 1 REDUNDANT	M1W4-5R20V3H	2720W	PFC	340 / 13.39	422 / 16.61	43 / 1.69	M1W-2A10V				224
	N + 1 REDUNDANT	M1W4-5W40V3H	3240W	PFC	340 / 13.39	422 / 16.61	43 / 1.69	M1W-2A10V				224
	N + 1 REDUNDANT	M1W4-5CH0V0H	3300W	PFC	340 / 13.39	422 / 16.61	43 / 1.69	M1W-2A10V				224
	N + 1 REDUNDANT	MTW4-5C50V3H	1250W	PFC	340 / 13.39	422 / 16.61	43 / 1.69	MTW-5660V				225
	N + 1 REDUNDANT	MTW4-5F50V3H	1550W	PFC	340 / 13.39	422 / 16.61	43 / 1.69	MTW-5820V				225
	N + 1 REDUNDANT	MTW4-5H10V3H	1710W	PFC	340 / 13.39	422 / 16.61	43 / 1.69	MTW-5900V				225
	N + 1 REDUNDANT	MTW4-5H80V3H	1780W	PFC	340 / 13.39	422 / 16.61	43 / 1.69	MTW-5660V				225
	N + 1 REDUNDANT	MTW4-5K50V3H	2050W	PFC	340 / 13.39	422 / 16.61	43 / 1.69	MTW-5760V				225
	N + 1 REDUNDANT	MTW4-5M10V3H	2210W	PFC	340 / 13.39	422 / 16.61	43 / 1.69	MTW-5820V				225
	N + 1 REDUNDANT	MTW4-5O30V3H	2430W	PFC	340 / 13.39	422 / 16.61	43 / 1.69	MTW-5900V				225
	N + 1 REDUNDANT	PSS2-5A00V3H	1000W	PFC	360 / 14.17	127 / 5	44 / 1.73	PSS-2A00V				226
	N + 1 REDUNDANT	PSS2-5C00V3H	1200W	PFC	360 / 14.17	127 / 5	44 / 1.73	PSS-2C00V				226
	N + 1 REDUNDANT	M1K6-5DH0V0H	4800W	PFC	470 / 18.5	425 / 16.73	43 / 1.69	M1K-2C00V				227
	AC N + 1	R1T-1120V	120W	PFC	167 / 6.57	50.5 / 1.99	40 / 1.57					228
	AC N + 1	R1S-1120V	120W	PFC	100 / 3.94	81.5 / 3.21	40.3 / 1.59					229
	AC N + 1	R1U-2220V	220W	PFC	224 / 8.82	50.5 / 1.99	40 / 1.57					230
	AC N + 1	M1S-3400V	400W	PFC	300 / 11.81	50.5 / 1.99	40 / 1.57					231
	AC N + 1	M1S-3401V	400W	PFC	300 / 11.81	50.5 / 1.99	40 / 1.57					231
	AC N + 1	M1S-3500V	500W	PFC	300 / 11.81	50.5 / 1.99	40 / 1.57					231
	AC N + 1	M1S-3501V	500W	PFC	300 / 11.81	50.5 / 1.99	40 / 1.57					231
	AC N + 1	M1S-3551V	550W	PFC	300 / 11.81	50.5 / 1.99	40 / 1.57					231
	AC N + 1	M1U-2650V	650W	PFC	300 / 11.81	50.5 / 1.99	40 / 1.57					232
	AC N + 1	M1U-2750V	750W	PFC	300 / 11.81	50.5 / 1.99	40 / 1.57					232
	AC N + 1	M1U-2800V	800W	PFC	300 / 11.81	50.5 / 1.99	40 / 1.57					232
	AC N + 1	M1V-2800V	800W	PFC	300 / 11.81	50.5 / 1.99	40 / 1.57					233
	AC N + 1	M1K-2A00V	1000W	PFC	350 / 13.78	50.5 / 1.99	40 / 1.57					234
	AC N + 1	M1K-2C00V	1200W	PFC	350 / 13.78	50.5 / 1.99	40 / 1.57					234
	AC 1 + 1	R1V-2275V	275W	PFC	236 / 9.29	50.5 / 1.99	40 / 1.57					235
	AC 1 + 1	SPH-2A00V	1000W	PFC	335 / 13.19	61 / 2.4	45 / 1.77					236
	AC 1 + 1	SPH-2C00V	1200W	PFC	335 / 13.19	61 / 2.4	45 / 1.77					236
	AC N + 1	PSS-2A00V	1000W	PFC	310 / 12.2	61 / 2.4	40.5 / 1.59					237
	AC N + 1	PSS-2C00V	1200W	PFC	310 / 12.2	61 / 2.4	40.5 / 1.59					237
	AC N + 1	PSS-2E00V	1400W	PFC	310 / 12.2	61 / 2.4	40.5 / 1.59					237
	AC N + 1	MIN-6251P	250W	PFC	200 / 7.87	79 / 3.11	40 / 1.57					238
	AC N + 1	G1M-5300P	300W	PFC	215 / 8.46	79 / 3.11	40 / 1.57					239

FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
AC N + 1	GTM-5400V	400W	PFC	215 / 8.46	79 / 3.11	40 / 1.57					240
AC N + 1	MX1-6300P	300W	PFC	224 / 8.82	79 / 3.11	48.6 / 1.91					241
AC N + 1	MX1-6325P	325W	PFC	224 / 8.82	79 / 3.11	48.6 / 1.91					241
AC N + 1	MX1-5350P	350W	PFC	224 / 8.82	81 / 3.19	48.6 / 1.91					242
AC N + 1	MX1-5375P	375W	PFC	224 / 8.82	81 / 3.19	48.6 / 1.91					242
AC N + 1	GIN-5420P	420W	PFC	250 / 9.84	79 / 3.11	40.5 / 1.59					243
AC N + 1	GIN-6350P	350W	PFC	242 / 9.53	79 / 3.11	40.5 / 1.59					244
AC N + 1	GIN-3420V	420W	PFC	250 / 9.84	79 / 3.11	40.5 / 1.59					245
AC N + 1	GIN-3500V	500W	PFC	250 / 9.84	79 / 3.11	40.5 / 1.59					245
AC N + 1	GIN-3600V	600W	PFC	250 / 9.84	79 / 3.11	40.5 / 1.59					245
AC N + 1	GIN-3800V	800W	PFC	305 / 12.01	79 / 3.11	40 / 1.57					246
 AC N + 1	ATN-5400V	400W	PFC	265 / 10.43	79 / 3.11	40.5 / 1.59					247
 AC N + 1	ATN-5500V	500W	PFC	265 / 10.43	79 / 3.11	40.5 / 1.59					247
 AC N + 1	ATN-5600V	600W	PFC	265 / 10.43	79 / 3.11	40.5 / 1.59					247
AC N + 1	K1S-2820V	820W	PFC	305 / 12.01	76 / 2.99	40 / 1.57					248
AC N + 1	KIN-2800V	800W	PFC	305 / 12.01	79 / 3.11	40 / 1.57					249
AC N + 1	KIN-2A00V	1000W	PFC	305 / 12.01	79 / 3.11	40 / 1.57					249
AC N + 1	KIN-2C00V	1200W	PFC	305 / 12.01	79 / 3.11	40 / 1.57					249
AC 1 + 1	P1S-2300V-R	300W	PFC	170 / 6.69	81.5 / 3.21	40.3 / 1.59					250
AC 1 + 1	P1S-2400V-R	400W	PFC	170 / 6.69	81.5 / 3.21	40.3 / 1.59					250
AC 1 + 1	P1S-3180V-R	180W	PFC	170 / 6.69	81.5 / 3.21	40.3 / 1.59					251
AC N + 1	M1P-2420V	420W	PFC	180 / 7.09	81.5 / 3.21	40.3 / 1.59					252
AC N + 1	M1P-2500V	500W	PFC	180 / 7.09	81.5 / 3.21	40.3 / 1.59					252
AC 1 + 1	R2Z-6350P-R	350W	PFC	230.3 / 9.07	98.4 / 3.87	40 / 1.57					253
 AC 1 + 1	R2Z-6400P-R	400W	PFC	230.3 / 9.07	98.4 / 3.87	40 / 1.57					253
AC 1 + 1	R2W-5600P-R	600W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					254
AC 1 + 1	R2W-6460P-R	460W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					255
AC 1 + 1	R2W-6500P-R	500W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					255
AC N + 1	MTW-5660V	660W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					256
AC N + 1	MTW-5760V	760W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					256
AC N + 1	MTW-5820V	820W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					256
AC N + 1	MTW-5900V	900W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					256
AC N + 1	M1Z-5400V	400W	PFC	230.3 / 9.07	98.4 / 3.87	40 / 1.57					257
AC N + 1	M1Z-5460V	460W	PFC	230.3 / 9.07	98.4 / 3.87	40 / 1.57					257
AC N + 1	M1Z-5500V	500W	PFC	230.3 / 9.07	98.4 / 3.87	40 / 1.57					257
AC N + 1	M1Z-5550V	550W	PFC	230.3 / 9.07	98.4 / 3.87	40 / 1.57					257

FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
AC N + 1	G1W-3660V	660W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					258
AC N + 1	G1W-3760V	760W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					258
AC N + 1	G1W-3860V	860W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					258
AC N + 1	G1W-3960V	960W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					258
AC N + 1	G1W-3A10V	1010W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					258
AC N + 1	G1W-3C00V	1200W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					258
AC N + 1	M1W-6460P	460W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					259
AC N + 1	M1W-6500P	500W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					259
AC N + 1	M1W-6550P	550W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					259
 AC N + 1	M1W-2600G	600W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					260
AC N + 1	M1W-2810V	810W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					261
AC N + 1	M1W-2910V	910W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					261
AC N + 1	M1W-2A10V	1010W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					261
AC N + 1	M1W-2C00V	1200W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					261
AC N + 1	M1W-2E00V	1400W	PFC	265.3 / 10.44	98.4 / 3.87	40 / 1.57					261
AC N + 1	M1W-3500V	500W	PFC	265.3 / 10.44	98.4 / 3.87	40.5 / 1.59					262
AC N + 1	M1W-3600V	600W	PFC	265.3 / 10.44	98.4 / 3.87	40.5 / 1.59					262
AC N + 1	S1L-2C00V	1200W	PFC	279.4 / 11	98.4 / 3.87	40 / 1.57					263
AC N + 1	S1M-5350P	350W	PFC	247.9 / 9.76	106 / 4.17	40 / 1.57					264
AC N + 1	S1M-5460P	460W	PFC	247.9 / 9.76	106 / 4.17	40 / 1.57					264
AC N + 1	S1M-5500P	500W	PFC	247.9 / 9.76	106 / 4.17	40 / 1.57					264
AC N + 1	S1M-5500V	500W	PFC	247.9 / 9.76	106 / 4.17	40 / 1.57					265
AC N + 1	S1M-5550V	550W	PFC	247.9 / 9.76	106 / 4.17	40 / 1.57					265
AC 1 + 1	MRT-6300P-R	300W	PFC	153 / 6.02	120 / 4.72	41.4 / 1.63					266
AC 1 + 1	MRT-6320P-R	320W	PFC	153 / 6.02	120 / 4.72	41.4 / 1.63					266
AC 1 + 1	R2A-5350P-R	350W	PFC	190 / 7.48	117 / 4.61	40.5 / 1.59					267
AC 1 + 1	R2A-6300P-R	300W	PFC	190 / 7.48	117 / 4.61	40.5 / 1.59					268
AC 1 + 1	R2A-6320P-R	550W	PFC	190 / 7.48	117 / 4.61	40.5 / 1.59					268
AC 1 + 1	MRM-6550P-R	550W	PFC	220 / 8.66	137 / 5.39	40 / 1.57					269
AC 1 + 1	MRM-6600P-R	600W	PFC	220 / 8.66	137 / 5.39	40 / 1.57					269
AC 1 + 1	MRM-6650P-R	650W	PFC	220 / 8.66	137 / 5.39	40 / 1.57					269
AC 1 + 1	MRW-6350P-R	350W	PFC	161 / 6.34	143 / 5.63	41.4 / 1.63					270
AC 1 + 1	MRW-6400P-R	400W	PFC	161 / 6.34	143 / 5.63	41.4 / 1.63					270
AC 1 + 1	MRW-6420P-R	420W	PFC	161 / 6.34	143 / 5.63	41.4 / 1.63					270

FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
AC 1 + 1	MRW-3450V-R	450W	PFC	161 / 6.34	143 / 5.63	41.4 / 1.63				271	
AC 1 + 1	MRW-3500V-R	500W	PFC	161 / 6.34	143 / 5.63	41.4 / 1.63				271	
AC 1 + 1	MRW-3600V-R	600W	PFC	161 / 6.34	143 / 5.63	41.4 / 1.63				271	
	AC 1+1	MRT-2320G-R	320W	PFC	161 / 6.34	143 / 5.63	41.4 / 1.63				272
AC 1 + 1	MRG-6460P-R	460W	PFC	176 / 6.93	143 / 5.63	41.4 / 1.63				273	
AC 1 + 1	MRG-6500P-R	500W	PFC	176 / 6.93	143 / 5.63	41.4 / 1.63				273	
AC N + 1	MPN1-5350P	350W	PFC	160 / 6.3	142 / 5.59	42 / 1.65				274	
AC N + 1	MPN1-5420P	420W	PFC	160 / 6.3	142 / 5.59	42 / 1.65				274	
AC 1+1	MRG-3700V-R	700W	DC -48V	176 / 6.93	143 / 5.63	41.4 / 1.63				275	
AC 1+1	MRG-3800V-R	800W	DC -48V	176 / 6.93	143 / 5.63	41.4 / 1.63				275	
	AC 1 + 1	MRH-2AD0V	1400W	DC -48V	220 / 8.66	72.5 / 2.85	82 / 3.23				276
	DC N+1	DR1U-2200V	200W	DC -48V	224 / 8.82	50.5 / 1.99	40 / 1.57				277
	DC N+1	DR1V-2250V	250W	DC -48V	236 / 9.29	50.5 / 1.99	40 / 1.57				278
DC N + 1	BM1U-2500V	500W	DC+24V	300 / 11.81	50.5 / 1.99	40 / 1.57				279	
DC N + 1	DM1S-3400V	400W	DC -48V	300 / 11.81	50.5 / 1.99	40 / 1.57				280	
DC N + 1	DM1S-3500V	500W	DC -48V	300 / 11.81	50.5 / 1.99	40 / 1.57				280	
DC N + 1	DM1S-3401V	400W	DC -48V	300 / 11.81	50.5 / 1.99	40 / 1.57				280	
DC N + 1	DM1S-3501V	500W	DC -48V	300 / 11.81	50.5 / 1.99	40 / 1.57				280	
DC N + 1	DM1S-3551V	550W	DC -48V	300 / 11.81	50.5 / 1.99	40 / 1.57				280	
DC N + 1	DM1U-2650V	650W	DC -48V	300 / 11.81	50.5 / 1.99	40 / 1.57				281	
DC N + 1	DM1U-2750V	750W	DC -48V	300 / 11.81	50.5 / 1.99	40 / 1.57				281	
DC N + 1	DPSS-2A00V	1000W	DC -48V	310 / 12.2	61 / 2.4	40 / 1.57				282	
DC N + 1	BGIN-3420V	420W	DC 24V	250 / 9.84	79 / 3.11	40.5 / 1.59				283	
DC N + 1	BGIN-3460V	460W	DC 24V	250 / 9.84	79 / 3.11	40.5 / 1.59				283	
DC N + 1	DMIN-6221F	220W	DC -48V	200 / 7.87	79 / 3.11	40 / 1.57				284	
DC N + 1	DGIN-6350F	350W	DC -48V	250 / 9.84	79 / 3.11	40.5 / 1.59				285	
DC N + 1	DGIN-3500V	500W	DC 24V	250 / 9.84	79 / 3.11	40.5 / 1.59				286	
DC N + 1	DGIN-3600V	600W	DC 24V	250 / 9.84	79 / 3.11	40.5 / 1.59				286	
DC N + 1	DGIN-3800V	800W	DC -48V	305 / 12.01	79 / 3.11	40 / 1.57				287	
	DC N + 1	DP1S-2300V-R	300W	DC -48V	170 / 6.69	81.5 / 3.21	40.3 / 1.59				288
	DC N + 1	DP1S-2400V-R	400W	DC -48V	170 / 6.69	81.5 / 3.21	40.3 / 1.59				288
	DC N + 1	BM1P-2250V	250W	DC 24V	180 / 7.09	81.5 / 3.21	40.3 / 1.59				289
DC N + 1	DM1P-2500V	500W	DC -48V	180 / 7.09	81.5 / 3.21	40.3 / 1.59				290	
	DC N + 1	BM1Z-5360V	360W	DC 24V	230 / 9.06	98.4 / 3.87	40 / 1.57				291

FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
DC N + 1	DM1Z-5500V	500W	DC -48V	230 / 9.06	98.4 / 3.87	40 / 1.57					292
 DC N + 1	DM1Z-5550V	550W	DC -48V	230 / 9.06	98.4 / 3.87	40 / 1.57					292
 DC N + 1	BG1W-3600V	600W	DC 24V	265.3 / 10.44	98.4 / 3.87	40 / 1.57					293
DC N + 1	DG1W-3660V	660W	DC -48V	265.3 / 10.44	98.4 / 3.87	40 / 1.57					294
DC N + 1	DG1W-3760V	760W	DC -48V	265.3 / 10.44	98.4 / 3.87	40 / 1.57					294
DC N + 1	DG1W-3860V	860W	DC -48V	265.3 / 10.44	98.4 / 3.87	40 / 1.57					294
DC N + 1	DG1W-3960V	960W	DC -48V	265.3 / 10.44	98.4 / 3.87	40 / 1.57					294
DC N + 1	DG1W-3A10V	860W	DC -48V	265.3 / 10.44	98.4 / 3.87	40 / 1.57					294
DC N + 1	DM1W-6460F	460W	DC -48V	265.3 / 10.44	98.4 / 3.87	40 / 1.57					295
DC N + 1	DM1W-6500F	500W	DC -48V	265.3 / 10.44	98.4 / 3.87	40 / 1.57					295
DC N + 1	DM1W-5600V	600W	DC -48V	265.3 / 10.44	98.4 / 3.87	40 / 1.57					296
DC N + 1	DM1W-5650V	650W	DC -48V	265.3 / 10.44	98.4 / 3.87	40 / 1.57					296
DC N + 1	DM1W-5700V	700W	DC -48V	265.3 / 10.44	98.4 / 3.87	40 / 1.57					296
 DC N+1	DMTW-5660V	660W	DC -48V	265.3 / 10.44	98.4 / 3.87	40 / 1.57					297
 DC N+1	DMTW-5820V	820W	DC -48V	265.3 / 10.44	98.4 / 3.87	40 / 1.57					297
DC N + 1	DM1L-5600V	600W	DC -48V	295.3 / 11.63	98.4 / 3.87	40.5 / 1.59					298
DC N + 1	DM1L-5650V	650W	DC -48V	295.3 / 11.63	98.4 / 3.87	40.5 / 1.59					298
DC N + 1	DM1L-5700V	700W	DC -48V	295.3 / 11.63	98.4 / 3.87	40.5 / 1.59					298
DC 1+1	DR2Z-6400F-R	400W	DC -48V	230.3 / 9.07	98.4 / 3.87	40 / 1.57					299
DC MINI REDUNDANT	BMRW-3360V-R	360W	DV 24V	161 / 6.34	143 / 5.63	41.4 / 1.63					300
DC 1+1	DMRW-6350F-R	350W	DC -48V	161 / 6.34	143 / 5.63	41.4 / 1.63					301
DC 1+1	DMRW-6375F-R	375W	DC -48V	161 / 6.34	143 / 5.63	41.4 / 1.63					301
DC 1+1	DMRW-6400F-R	400W	DC -48V	161 / 6.34	143 / 5.63	41.4 / 1.63					301
DC 1+1	DMRW-3500V-R	500W	DC -48V	161 / 6.34	143 / 5.63	41.4 / 1.63					302
DC 1+1	DMRW-3600V-R	600W	DC -48V	161 / 6.34	143 / 5.63	41.4 / 1.63					302
DC 1U	DP1P-5300V	300W	DC -48V	170 / 6.69	81.5 / 3.21	40.3 / 1.59					303
DC 1U	DP1P-5320V	320W	DC -48V	170 / 6.69	81.5 / 3.21	40.3 / 1.59					303
DC 1U	DP1A-6250F	250W	DC -48V	205 / 8.07	100 / 3.94	40.5 / 1.59					304
DC 1U	DP1A-6300F	300W	DC -48V	205 / 8.07	100 / 3.94	40.5 / 1.59					304
DC 1U	AP1A-6150F	150W	DC +12V	190 / 7.48	100 / 3.94	39 / 1.54					305
DC 1U	B1U-6150F	150W	DC +24V	190 / 7.48	100 / 3.94	40.5 / 1.59					306
DC 1U	BP1H-6300F	300W	DC +24V	225 / 8.86	100 / 3.94	40.5 / 1.59					307
DC 1U	BP1H-5420V	420W	DC+24V	225 / 8.86	100 / 3.94	40.5 / 1.59					308
DC 1U	BP1H-5460V	460W	DC+24V	225 / 8.86	100 / 3.94	40.5 / 1.59					308
DC 1U	DP1H-6350F	350W	DC -48V	225 / 8.86	100 / 3.94	40.5 / 1.59					309
DC 1U	DP1H-6400F	400W	DC -48V	225 / 8.86	100 / 3.94	40.5 / 1.59					309

FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
DC 1U	DP1H-5460V	460W	DC -48V	225 / 8.86	100 / 3.94	40.5 / 1.59					310
DC 1U	DP1H-5550V	500W	DC -48V	225 / 8.86	100 / 3.94	40.5 / 1.59					310
DC 1U	BN1H-5750V	750W	DC -18~-36V	225 / 8.86	100 / 3.94	40.5 / 1.59					311
DC 2U	D2U-6300F	300W	DC -48V	200 / 7.87	100 / 3.94	70 / 2.76					312
DC 2U	BP2H-5420V	420W	DC+24V	215 / 8.46	100 / 3.94	70 / 2.76					313
DC 2U	BP2H-5460V	460W	DC+24V	215 / 8.46	100 / 3.94	70 / 2.76					313
DC 2U	BN2H-5750V	750W	DC+24V	215 / 8.46	100 / 3.94	70 / 2.76					314
DC 2U	DP2H-6350F	350W	DC -48V	215 / 8.46	100 / 3.94	70 / 2.76					315
DC 2U	DP2H-6400F	400W	DC -48V	215 / 8.46	100 / 3.94	70 / 2.76					315
DC 2U	DP2H-5460V	460W	DC -48V	215 / 8.46	100 / 3.94	70 / 2.76					316
DC 2U	DP2H-5500V	500W	DC -48V	215 / 8.46	100 / 3.94	70 / 2.76					316
DC 2U	DP2H-5550V	550W	DC -48V	215 / 8.46	100 / 3.94	70 / 2.76					316
DC PS2	BHG2-5300V	300W	DC -18~-36V	140 / 5.51	150 / 5.91	86 / 3.39					317
DC PS2	BHG2-5350V	350W	DC -18~-36V	140 / 5.51	150 / 5.91	86 / 3.39					317
DC PS2	BHG2-5400V	400W	DC -18~-36V	140 / 5.51	150 / 5.91	86 / 3.39					317
DC PS2	DHG2-5400V	400W	DC -36~-72V	140 / 5.51	150 / 5.91	86 / 3.39					318
DC PS2	DHG2-5500V	500W	DC -36~-72V	140 / 5.51	150 / 5.91	86 / 3.39					318
DC PS2	DHG2-5600V	600W	DC -36~-72V	140 / 5.51	150 / 5.91	86 / 3.39					318
DC PS2+	DPSM-6500F	500W	DC -48V	160 / 6.3	150 / 5.91	86 / 3.39					319
DC PS2+	DPSM-6550F	550W	DC -48V	160 / 6.3	150 / 5.91	86 / 3.39					319
DC PS2+	DPSM-6600F	600W	DC -48V	160 / 6.3	150 / 5.91	86 / 3.39					319
DC 1U REDUNDANT	DR1U2-5200V4H	200W	DC -48V	260 / 10.24	106 / 4.17	41.8 / 1.65	DR1U-2220V				320
DC 1U REDUNDANT	DR1V2-5250V4H	250W	DC -48V	295 / 11.61	106 / 4.17	41.8 / 1.65	DR1V-2250V				321
DC 1U REDUNDANT	BM1U2-5500V4H	500W	DC 28V	355 / 13.98	106 / 4.17	41.3 / 1.63	BM1U-2500V				322
DC 1U REDUNDANT	BM1U2-5501V4H	500W	DC 28V	355 / 13.98	106 / 4.17	41.3 / 1.63	BM1U-2500V				322
DC 1U REDUNDANT	DM1S2-5400V4H	400W	DC -48V	355 / 13.98	106 / 4.17	41.3 / 1.63	DM1S-3400V				323
DC 1U REDUNDANT	DM1S2-5401V4H	400W	DC -48V	355 / 13.98	106 / 4.17	41.3 / 1.63	DM1S-3551V				323
DC 1U REDUNDANT	DM1S2-5500V4H	500W	DC -48V	355 / 13.98	106 / 4.17	41.3 / 1.63	DM1S-3500V				323
DC 1U REDUNDANT	DM1S2-5501V4H	500W	DC -48V	355 / 13.98	106 / 4.17	41.3 / 1.63	DM1S-3501V				323
DC 1U REDUNDANT	DM1S2-5551V4H	550W	DC -48V	355 / 13.98	106 / 4.17	41.3 / 1.63	DM1S-3551V				323
DC 1U REDUNDANT	DM1U2-2650V4H	650W	DC -48V	355 / 13.98	106 / 4.17	41.8 / 1.65	DM1U-2650V				324
DC 1U REDUNDANT	DM1U2-5650V4H	650W	DC -48V	355 / 13.98	106 / 4.17	41.3 / 1.63	DM1U-2650V				325
DC 1U REDUNDANT	DM1U2-5750V4H	750W	DC -48V	355 / 13.98	106 / 4.17	41.3 / 1.63	DM1U-2750V				325
DC 1U REDUNDANT	DR1S2-5300V4H	300W	DC -48V	230 / 9.06	176 / 6.93	41.8 / 1.65	DP1S-2300V-R				326
DC 1U REDUNDANT	DR1S2-5380V4H	380W	DC -48V	230 / 9.06	176 / 6.93	41.8 / 1.65	DP1S-2400V-R				326
DC 1U REDUNDANT	DR1M-6221F	220W	DC -48V	260 / 10.24	180 / 7.09	40.5 / 1.59	DMIN-6221F				327

FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
DC 1U REDUNDANT	DR1Z-6400F	400W	DC -48V	265 / 10.43	206 / 8.11	41.5 / 1.63	DR2Z-6400F-R				328
DC MINI REDUNDANT	BMRW-5360V4V	360W	DC +24V	185 / 7.28	150 / 5.91	86 / 3.39	BMRW-3360V-R				329
DC MINI REDUNDANT	DMRW-6300F	300W	DC -48V	185 / 7.28	150 / 5.91	86 / 3.39	DMRW-6300F-R				330
DC MINI REDUNDANT	DMRW-6350F	350W	DC -48V	185 / 7.28	150 / 5.91	86 / 3.39	DMRW-6350F-R				330
DC MINI REDUNDANT	DMRW-6375F	375W	DC -48V	185 / 7.28	150 / 5.91	86 / 3.39	DMRW-6375F-R				330
DC MINI REDUNDANT	DMRW-6400F	400W	DC -48V	185 / 7.28	150 / 5.91	86 / 3.39	DMRW-6400F-R				330
DC MINI REDUNDANT	DMRW-5500V4V	500W	DC -48V	185 / 7.28	150 / 5.91	86 / 3.39	DMRW-3500V-R				331
DC MINI REDUNDANT	DMRW-5600V4V	500W	DC -48V	185 / 7.28	150 / 5.91	86 / 3.39	DMRW-3500V-R				331
DC 2U REDUNDANT	BM1U2-5500V4V	500W	DC 28V	400 / 15.75	54.5 / 2.15	86 / 3.39	BM1U-2500V				332
DC 2U REDUNDANT	BM1U2-5501V4V	500W	DC 28V	400 / 15.75	54.5 / 2.15	86 / 3.39	BM1U-2500V				332
DC 2U REDUNDANT	DM1U2-5650V4V	650W	DC -48V	400 / 15.75	54.5 / 2.15	86 / 3.39	DM1U-2650V				333
DC 2U REDUNDANT	DM1U2-5750V4V	750W	DC -48V	400 / 15.75	54.5 / 2.15	86 / 3.39	DM1U-2750V				333
DC 2U REDUNDANT	DPSS2-5A00V3V	1000W	DC -48V	385 / 15.16	65 / 2.56	84 / 3.31	PSS-2A00V				334
DC 2U REDUNDANT	DMIN2-6221F	220W	DC -48V	230 / 9.06	82 / 3.23	85 / 3.35	DMIN-6221F				335
DC 2U REDUNDANT	DR1S2-5300V4V	300W	DC -48V	207 / 8.15	85 / 3.35	84 / 3.31	DP1S-2300V-R				336
DC 2U REDUNDANT	DR1S2-5380V4V	380W	DC -48V	207 / 8.15	85 / 3.35	84 / 3.31	DP1S-2400V-R				336
DC 2U REDUNDANT	BM1P2-5250V4V	250W	DC 24V	217 / 8.54	85 / 3.35	84 / 3.31	BM1P-2250V				337
DC 2U REDUNDANT	DM1P2-5500V4V	500W	DC -48V	217 / 8.54	85 / 3.35	84 / 3.31	DM1P-2500V				338
DC 2U REDUNDANT	DR2Z-6400F	400W	DC -48V	265 / 10.43	101 / 3.98	84 / 3.31	DR2G-6400F-R				339
DC 2U REDUNDANT	BM1Z2-5360V3V	360W	DC 24V	265 / 10.43	101 / 3.98	84 / 3.31	BM1Z-5360V				340
DC 2U REDUNDANT	DM1Z2-5500V3V	500W	DC -48V	265 / 10.43	101 / 3.98	84 / 3.31	DM1Z-5500V				341
DC 2U REDUNDANT	DM1Z2-5550V3V	550W	DC -48V	265 / 10.43	101 / 3.98	84 / 3.31	DM1Z-5550V				341
DC 2U REDUNDANT	BR2G-5420V4V	420W	DC 24V	276 / 10.87	101 / 3.98	82 / 3.23	BGIN-3420V				342
DC 2U REDUNDANT	BR2G-5460V4V	460W	DC 24V	276 / 10.87	101 / 3.98	82 / 3.23	BGIN-3460V				342
DC 2U REDUNDANT	DM2W-6460F	460W	DC -48V	300 / 11.81	101 / 3.98	84 / 3.31	DM1W-6460F				343
DC 2U REDUNDANT	DM2W-6500F	500W	DC -48V	300 / 11.81	101 / 3.98	84 / 3.31	DM1W-6500F				343
DC 2U REDUNDANT	DR2G-6350F	350W	DC -48V	300 / 11.81	101 / 3.98	82 / 3.23	DGIN-6350F				344
DC 2U REDUNDANT	DR2G-5500V4V	500W	DC -48V	276 / 10.87	101 / 3.98	82 / 3.23	DGIN-3500V				345
DC 2U REDUNDANT	DR2G-5600V4V	600W	DC -48V	276 / 10.87	101 / 3.98	82 / 3.23	DGIN-3600V				345
DC 2U REDUNDANT	DR2G-5800V	800W	DC -48V	340 / 13.39	101 / 3.98	82 / 3.23	DGIN-3800V				346
DC 2U REDUNDANT	DM1W2-5600V3V	600W	DC -48V	300 / 11.81	101.2 / 3.98	84 / 3.31	DM1W-5600V				347
DC 2U REDUNDANT	DM1W2-5650V3V	650W	DC -48V	300 / 11.81	101.2 / 3.98	84 / 3.31	DM1W-5650V				347
DC 2U REDUNDANT	DM1W2-5700V3V	700W	DC -48V	300 / 11.81	101.2 / 3.98	84 / 3.31	DM1W-5700V				347
DC 2U REDUNDANT	BG1W2-5600V3V	600W	DC 24V	300 / 11.81	101.2 / 3.98	84 / 3.31	BG1W-3600V				348
DC 2U REDUNDANT	DG1W2-5660V3V	660W	DC -48V	300 / 11.81	101 / 3.98	84 / 3.31	DG1W-2660V				349
DC 2U REDUNDANT	DG1W2-5760V3V	760W	DC -48V	300 / 11.81	101 / 3.98	84 / 3.31	DG1W-2760V				349

FORM FACTOR	MODEL NO.	WATTAGE	INPUT	D X W X H (MM / INCH)			MODULE	PMBUS	HIGH	80+	PAGE
DC 2U REDUNDANT	DG1W2-5860V3V	860W	DC -48V	300 / 11.81	101 / 3.98	84 / 3.31	DG1W-2860V			349	
DC 2U REDUNDANT	DG1W2-5960V3V	960W	DC -48V	300 / 11.81	101 / 3.98	84 / 3.31	DG1W-2760V			349	
DC 2U REDUNDANT	DG1W2-5A10V3V	860W	DC -48V	300 / 11.81	101 / 3.98	84 / 3.31	DG1W-2860V			349	
 DC 2U REDUNDANT	DMTW2-5660V3V	660W	DC -48V	300 / 11.81	101 / 3.98	84 / 3.31				350	
 DC 2U REDUNDANT	DMTW2-5820V3V	820W	DC -48V	300 / 11.81	101 / 3.98	84 / 3.31	DMTW-5820V			350	
DC 2U REDUNDANT	DM1L2-5600V3V	600W	DC -48V	330 / 12.99	101.2 / 3.98	84 / 3.31	DM1L-5600V			351	
DC 2U REDUNDANT	DM1L2-5650V3V	650W	DC -48V	330 / 12.99	101.2 / 3.98	84 / 3.31	DM1L-5650V			351	
DC 2U REDUNDANT	DM1L2-5700V3V	700W	DC -48V	330 / 12.99	101.2 / 3.98	84 / 3.31	DM1L-5700V			351	
DC N + 1 REDUNDANT	DM3W-6950F	950W	DC -48V	300 / 11.81	101 / 3.98	125 / 4.92	DM1W-6500F			352	
DC N + 1 REDUNDANT	DM4W-6D50F	1350W	DC -48V	300 / 11.81	101 / 3.98	166 / 6.54	DM1W-6500F			353	
DC N + 1 REDUNDANT	DR3G-6650F	650W	DC -48V	300 / 11.81	127 / 5	82 / 3.23	DGIN-6350F			354	
DC N+1 REDUNDANT	DPSS2-5A00V3H	1000W	DC -48V	360 / 14.17	127 / 5	44 / 1.73	DPSS-2A00V			355	
DC N + 1 REDUNDANT	DGIH3-6650F	650W	DC -48V	330 / 12.99	290 / 11.42	42 / 1.65	DGIN-6350F			356	
DC N + 1 REDUNDANT	DGIH4-6950F	950W	DC -48V	330 / 12.99	383 / 15.08	42 / 1.65	DGIN-6350F			357	
DC N + 1 REDUNDANT	DM1W3-6950F	950W	DC -48V	330 / 12.99	383 / 15.08	42 / 1.65	DM1W-6500F			358	
DC N + 1 REDUNDANT	DM1W4-6D50F	1350W	DC -48V	340 / 13.39	422 / 16.61	43 / 1.69	DM1W-6500F			359	
 DC N + 1 REDUNDANT	DMTW4-5M10V3H	2210W	DC -48V	340 / 13.39	422 / 16.61	43 / 1.69	DMTW-5820V			360	



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT				
		+40V	X	X	X	X
MQ1G-1035V-40	35W	0.9A	X	X	X	X
REGULATION LOAD		±5%	X	X	X	X
RIPPLE AND NOISE		400mV	X	X	X	X

MQ1G-1035V-40

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

1/0.5 AMPS @ ANY LOW/HIGH RANGE INPUT

INRUSH CURRENT :

35/70 AMPS @ 115/230V

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL60601-1, CUL CSA C22.2 NO. 60601-1, TUV EN

60601-1, CCC GB4943-1995, GB9254-1998, GB17625.1-1998

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~70°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN AC SOURCE SHUTDOWN DC OUTPUT MUST BE MAINTAIN 16ms IN

REGULATION LIMIT AT NORMAL INPUT VOLTAGE(AC115V AT 80% OF FULL LOAD)

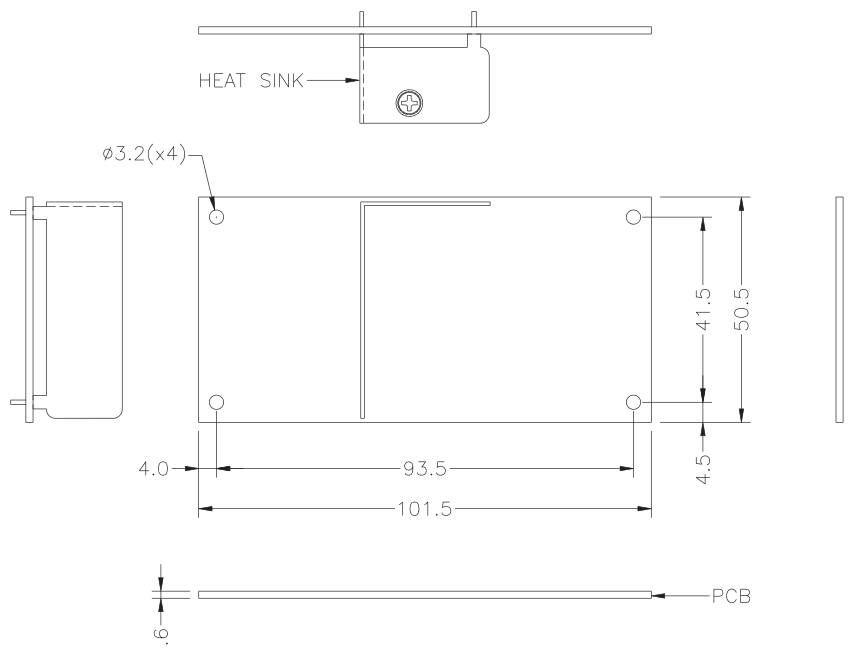
EFFICIENCY : 83% (+/-2%) AT 230VAC AND LOAD CONDITION : 40V/0.9A

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 0.3mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 101.5mm(D)×50.5mm(W)×30mm(H)

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	X	X	X	X	X
MQ1G-1050V-5	50W	10A	X	X	X	X	X
REGULATION LOAD		±5%	X	X	X	X	X
RIPPLE AND NOISE		50mV	X	X	X	X	X

MQ1G-1050V-5

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

1.5/0.5 AMPS @ ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

35/70 AMPS @ 115/230VAC

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL60601-1, CUL CSA C22.2 NO. 60601-1, TUV EN 60601-1, CCC GB4943-1995, GB9254-1998, GB17625.1-1998, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~70°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN AC SOURCE SHUTDOWN DC OUTPUT MUST BE MAINTAIN 16ms IN

REGULATION LIMIT AT NORMAL INPUT VOLTAGE(AC115V AT 80% OF FULL LOAD)

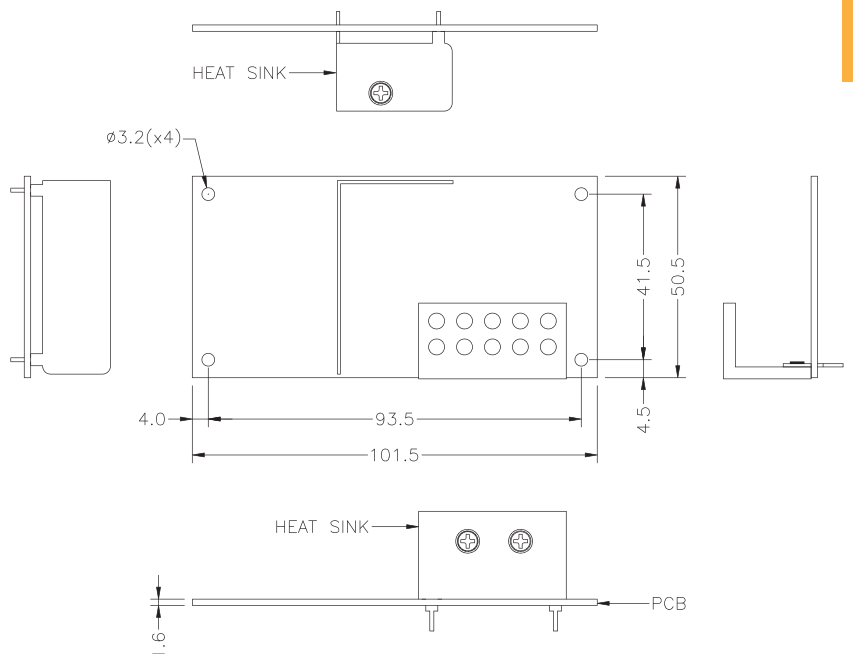
EFFICIENCY : 81% (+/-2%) AT 115VAC/230VAC AND LOAD CONDITION : 5V/10A

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 0.3mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 101.5mm(D) × 50.5mm(W) × 30mm(H)

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+12V	+24V	+40V	+48V	X	X
MQ1G-1060V-12	60W	5A	X	X	X	X	X
MQ1G-1060V-24	60W	X	2.5A	X	X	X	X
MQ1G-1060V-40	60W	X	X	1.5A	X	X	X
MQ1G-1060V-48	60W	X	X	X	1.25A	X	X
REGULATION LOAD		±5%	±5%	±5%	±5%	X	X
RIPPLE AND NOISE		120mV	240mV	400mV	480mV	X	X

MQ1G-1060V-12
MQ1G-1060V-24
MQ1G-1060V-40
MQ1G-1060V-48

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

1.5/1 AMPS @ ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

35/70 AMPS @ 115/230VAC

EMI :

EC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL60601-1, CUL CSA C22.2 NO. 60601-1, TUV EN 60601-1, CCC GB4943-1995, GB9254-1998, GB17625.1-1998

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~70°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN AC SOURCE SHUTDOWN DC OUTPUT MUST BE MAINTAIN 16ms IN

REGULATION LIMIT AT NORMAL INPUT VOLTAGE(AC115V AT 80% OF FULL LOAD)

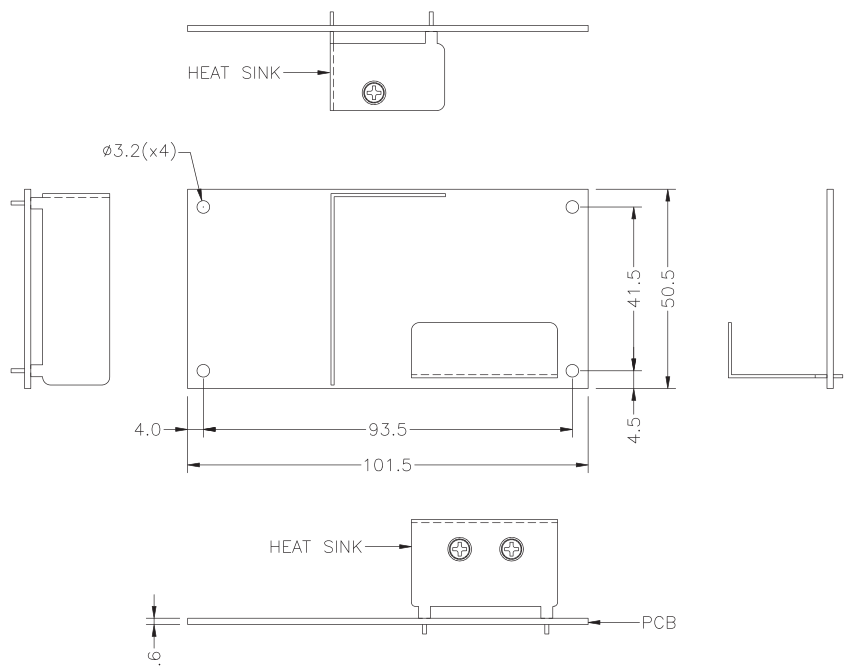
EFFICIENCY : 83% (+/-2%) AT 230VAC AND LOAD CONDITION : 40V/0.9A

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 0.3mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 101.5mm(D)×50.5 mm(W)×30mm(H)

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MQ1D-5120V	120W	14A	8A	12A	X	0.5A	1.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V and +3.3V TOTAL OUTPUT MAX : 70W (WITH 20 CFM)

+5V and +3.3V TOTAL OUTPUT MAX : 50W (WITHOUT FAN)

MQ1D-5120V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

2/1 AMPS @ ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

35/70 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL60601-1, CUL CSA C22.2 NO. 60601-1, TUV EN 60601-1, CCC GB4943-1995, GB9254-1998, GB17625.1-1998, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 41ms MINIMUM AT 115V FULL LOAD

EFFICIENCY : 82%±2% TYPICAL @ 230V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1ms

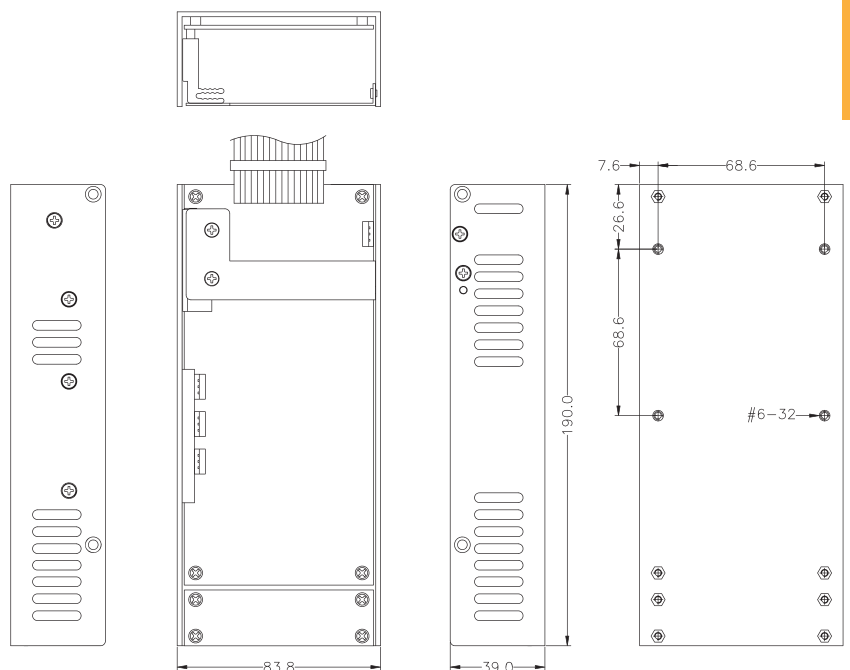
OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

LEAKAGE CURRENT : 0.3mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 190mm(D) × 83.8mm(W) × 39mm(H)

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MP1S-5220V	220W	12A	16A	10A	X	0.3A	2A
MP1S-5300V	300W	18A	24A	17A	X	0.3A	2.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	X	120mV	60mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 80W / 120W

MP1S-5220V MP1S-5300V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

WATTAGE	115V	230V
220W	3.5A	2A
300W	4.5A	2A

INRUSH CURRENT :

70/140 AMPS @ 115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD)

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL60601-1, CUL CSA C22.2 NO. 60601-1, TUV EN

60601-1, CCC GB4943-1995, GB9254-1998, GB17625.1-1998

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16mS MINIMUM AT 115V FULL LOAD

EFFICIENCY : 80%±2% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

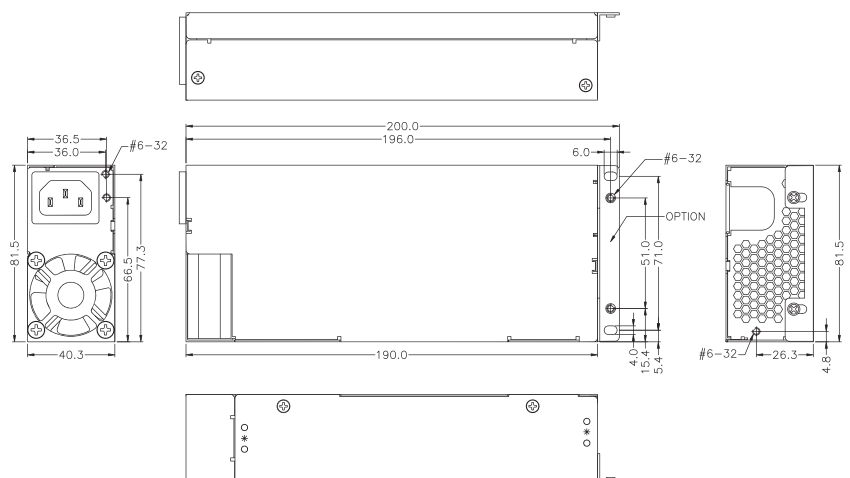
LEAKAGE CURRENT : 0.3mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 190(L)×81.5(W)×40.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	+24V	-12V	+5VSB
MP1S-6400V	400W	12A	16A	10A	6A	0.3A	2.5A
REGULATION LOAD		±5%	±5%	±5%	±5%	±10%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	240mV	120mV	60mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 90W

+5V&+12V&-12V&+3.3V&5VSB TOTAL OUTPUT MAX : 260W

MP1S-6400V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

6/3A AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

70/140 AMPS @ 115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL60601-1, CUL CSA C22.2 NO. 60601-1, TUV EN 60601-1, CCC GB4943-1995, GB9254-1998, GB17625.1-1998

SPECIFICATION:W

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C , STORAGE-20°C ~80°C

HOLD UP TIME : 10mS MINIMUM AT 115V FULL LOAD

EFFICIENCY : 80%±2% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

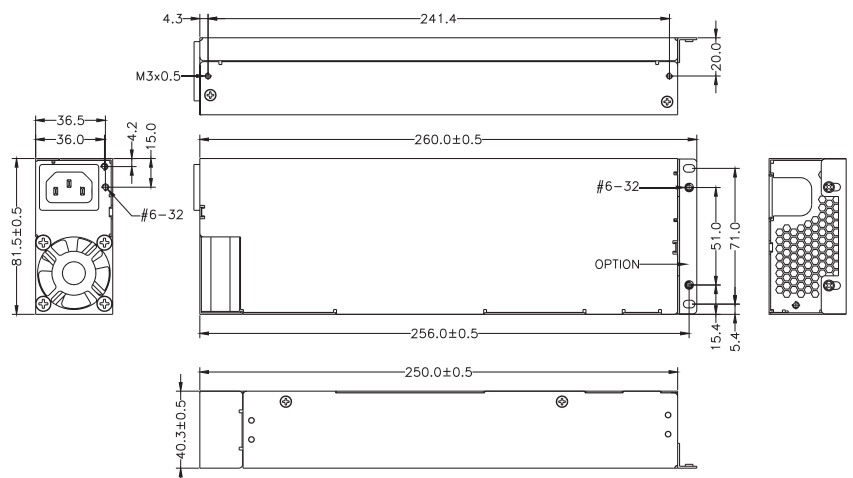
OUTPUT PROTECTION : OPP / OVP / OCP / SCP

LEAKAGE CURRENT : 0.3mA MAX. AT NOMINAL VOLTAGE 264VAC

REMOTE ON/OFF CONTROL

DIMENSION : 250(L)×81.5(W)×40.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MV1E-5350V	350W	20A	25A	20A	X	0.7A	2A
REGULATION LOAD		±5%	±5%	±5%	X	+13% / -7%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 130W

MV1E-5350V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

6/3 AMPS @ ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

15/30 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL60601-1, CUL CSA C22.2 NO. 60601-1, TUV EN 60601-1, CCC GB4943-1995, GB9254-1998, GB17625.1-1998

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , OPERATING : -20°C ~80

HOLD UP TIME : 16mS MINIMUM AT 115V LOAD <300W & 24mS MINIMUM AT 230V FULL LOAD

EFFICIENCY : 81-84% TYPICAL @ 110V FULL LOAD

OUTPUT PROTECTION : OPP / OVP / SCP

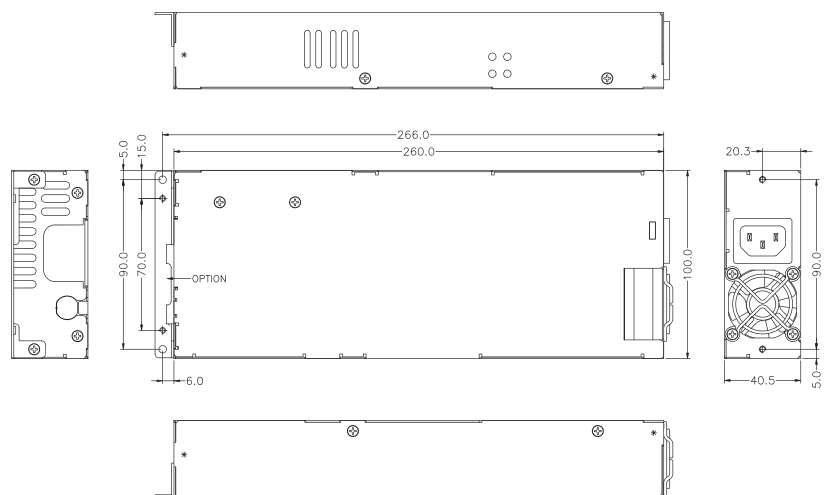
POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1ms

REMOTE ON/OFF CONTROL

LEAKAGE CURRENT : 0.3mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 260(L) × 100(W) × 40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MP2M-5435V	435W	20A	32A	20A	X	0.7A	2.0A
REGULATION LOAD		±5%	±5%	±5%	X	+13/-7%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 130W

MP2M-5435V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

7/3 AMPS @ ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

15/30 AMPS @ 115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL60601-1, CUL CSA C22.2 NO. 60601-1, TUV EN 60601-1, CCC GB4943-1995, GB9254-1998, GB17625.1-1998

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~ 80°C

HOLD UP TIME : 16ms MINIMUM AT 115V FULL LOAD

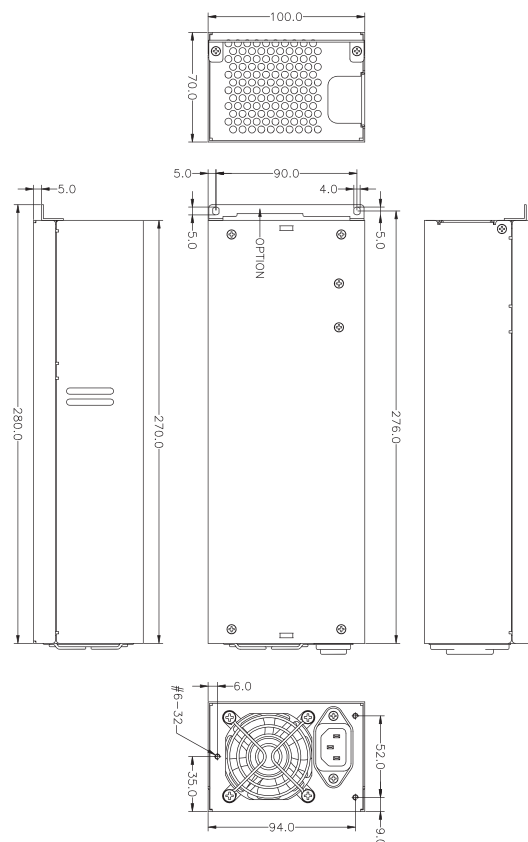
EFFICIENCY : TYPICAL 80-83% @ 110V FULL LOAD

OUTPUT PROTECTION OPP / OVP / SCP

LEAKAGE CURRENT : 0.3mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 270(D) X 100(W) X 70(H) MM

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MHG2-6300P	300W	35A	22A	28A	0.5A	0.8A	2.0A
MHG2-6350P	350W	35A	26A	28A	0.5A	0.8A	2.0A
MHG2-6400P	400W	35A	30A	28A	0.5A	0.8A	2.0A
REGULATION LOAD		±5%	+7/-5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 45A

MHG2-6300P MHG2-6350P MHG2-6400P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

WATTAGE	115V	230V
300W	5A	2.5A
350W	7A	2.5A
400W	7A	3.5A

INRUSH CURRENT :

65/125 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL60601-1, CUL CSA C22.2 NO. 60601-1, TUV EN

60601-1, CCC GB4943-1995, GB9254-1998, GB17625.1-1998

SPECIFICATION:

TEMPERATURE RANGE : OPERATING -10°C ~50°C , STORAGE -40°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 70% TYPICAL @ FULL LOAD

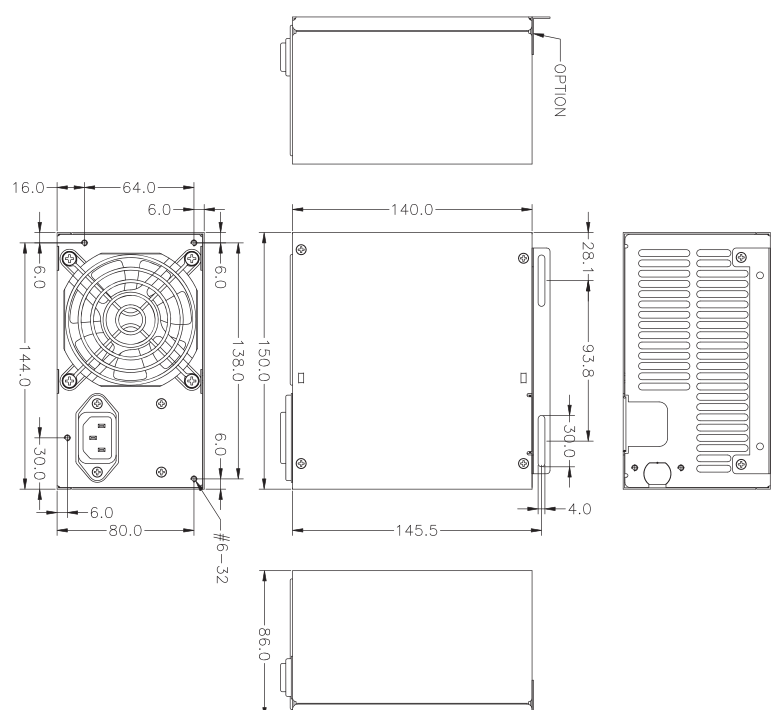
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 0.3mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 140 (D) x150 (W) x 86 (H) mm (PS/2)

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MHU2-5400V	400W	18A	32A	18A	X	0.5A	2A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 30A

MHU2-5400V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

6/3 AMPS @ ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

20/40 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL60601-1, CUL CSA C22.2 NO. 60601-1, TUV EN 60601-1, CCC GB4943-1995, GB9254-1998, GB17625.1-1998

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C

HOLD UP TIME : 16mS MINIMUM AT 115V LOAD

EFFICIENCY : 80-85% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1Ms

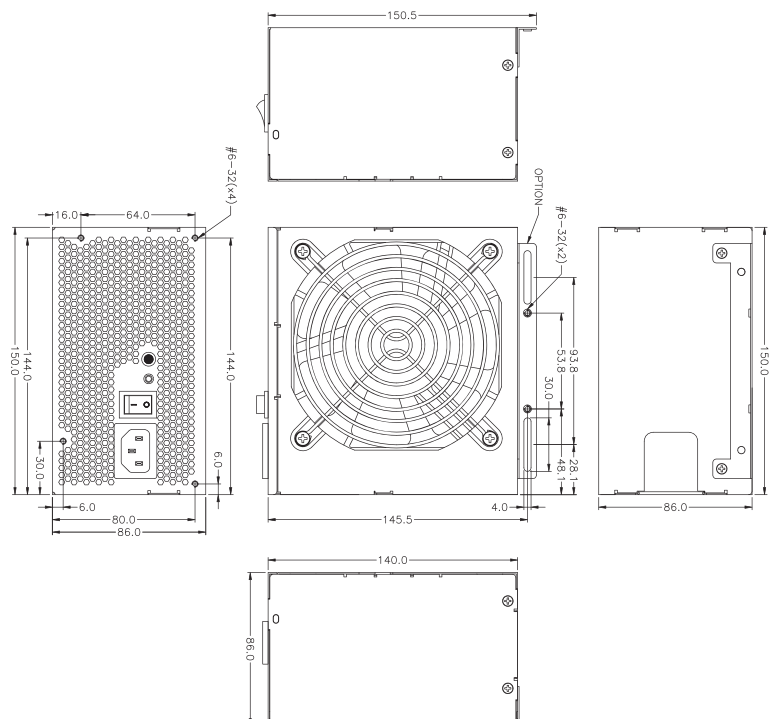
OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

LEAKAGE CURRENT : 0.3mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 140(L) × 150(W) × 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Medical





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MPSM-5500V	500W	20A	36A	20A	X	0.8A	3.5A
MPSM-5600V	600W	25A	45A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL MAX : 40A

MPSM-5500V MPSM-5600V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

8/4 AMPS @ ANY LOW/HIGH RANGE INPUT VOLTAGE

10/5 AMPS @ ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

20/40 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL60601-1, CUL CSA C22.2 NO. 60601-1, TUV EN

60601-1, CCC GB4943-1995, GB9254-1998, GB17625.1-1998

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 16ms IN

REGULATION LIMIT AT NORMAL INPUT VOLTAGE

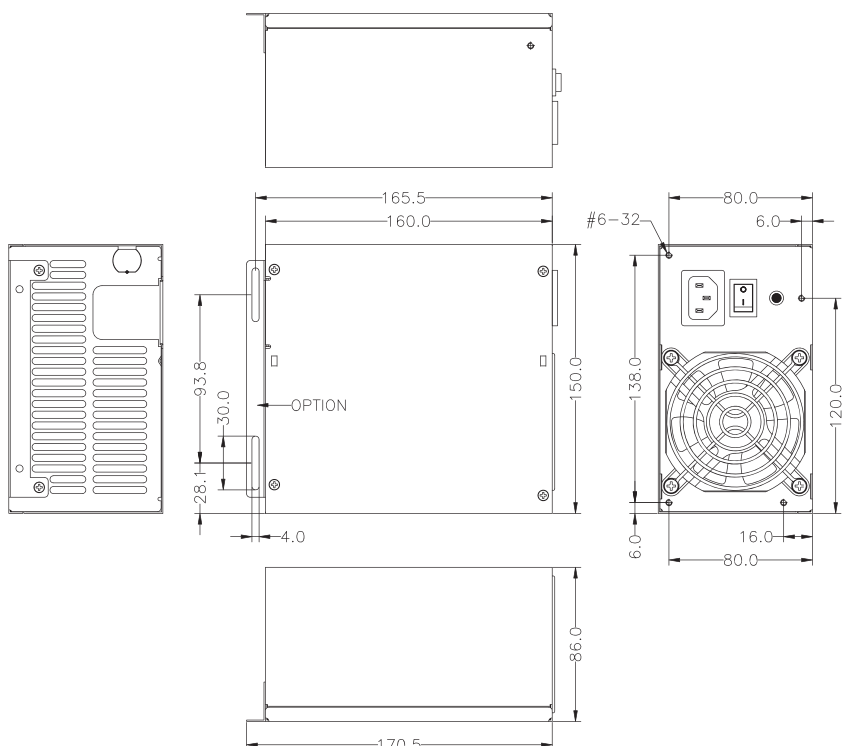
EFFICIENCY : TYPICAL 80-85% @ FULL LOAD

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 0.3mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 160(D) mm X 150(W) mm X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
Q1L-5060V	60W	7A	5A	6A	X	0.3A	4A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 40W

Q1L-5060V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

1.5/1A AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

35/70 AMPS @115/230 VAC

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 70°C , STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MINIMUM AT 115V @80% OF FULL LOAD

EFFICIENCY : 80%±2% TYPICAL @ 115VAC IN

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1ms

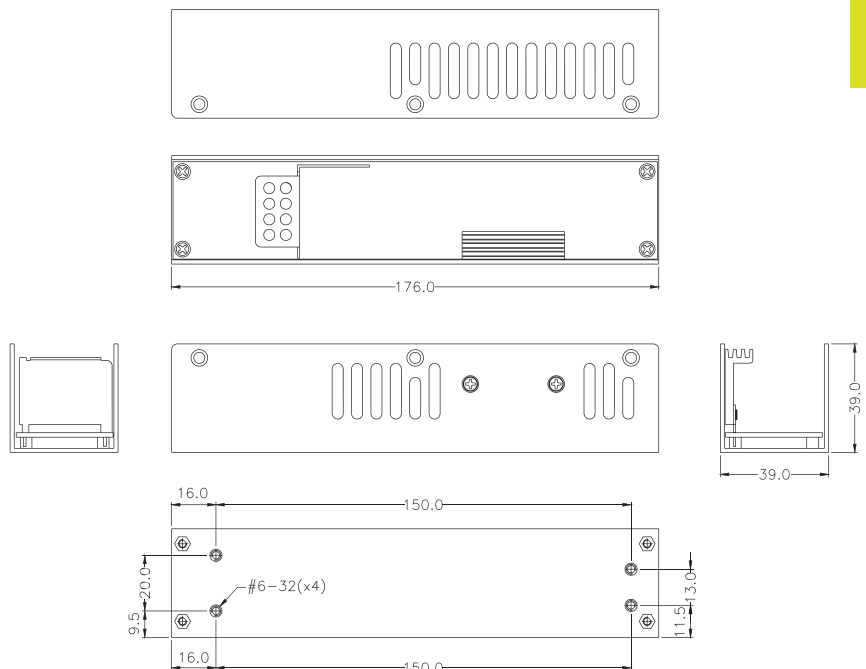
OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 264VAC

REMOTE ON/OFF CONTROL

DIMENSION : 176(D) × 39(W) × 39(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT			
		+5V	+12V	+24V	+48V
Q1J-1050V-5	50W	10A	X	X	X
Q1J-1060V-12	60W	X	5A	X	X
Q1J-1060V-24	60W	X	X	2.5A	X
Q1J-1060V-48	60W	X	X	X	1.25A
REGULATION LOAD		±5%	±5%	±5%	±5%
RIPPLE AND NOISE		70mV	120mV	240mV	480mV

Q1J-1050V-5
Q1J-1060V-12
Q1J-1060V-24
Q1J-1060V-48

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

1.5/1A AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

35/70 AMPS @ 115/230V

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~70°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16mS MINIMUM AT 115V 80% OF FULL LOAD

EFFICIENCY : TYPICAL 85% for 48V, 83% for 24V , 82% for 12V , 80% for 5V AT 115VAC/230VAC

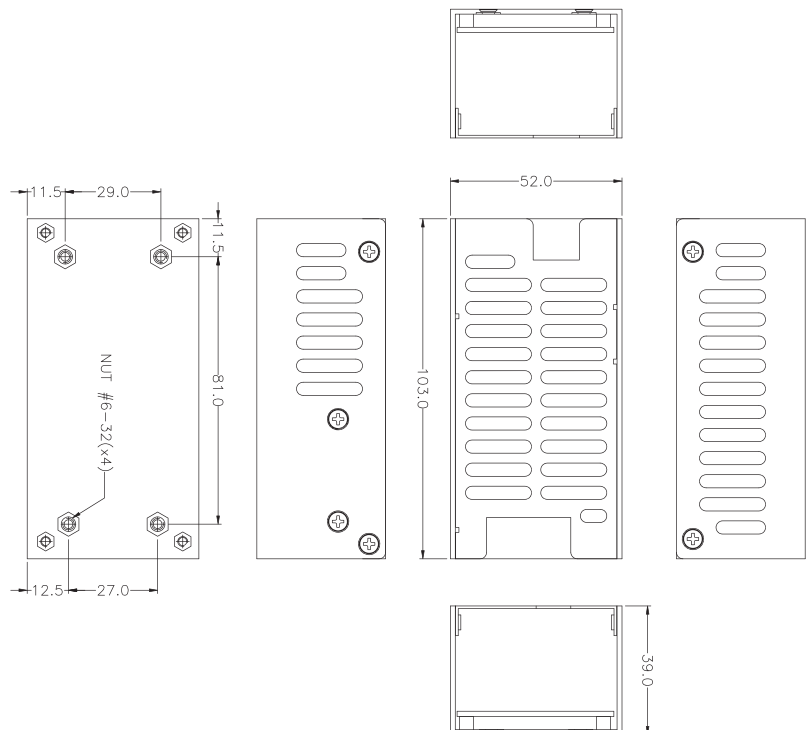
AND FULL LOAD CONDITION

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 103(D) × 52(W) × 39(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





Q1I-1060V-12 Q1I-2050V-053 Q1I-2060V-123 Q1I-2060V-125

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

1.5/1A AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

35/70 AMPS @115/230 VAC

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
Q1I-1060V-12	60W	X	5A	X	X	X	X
REGULATION LOAD		X	±5%	X	X	X	X
RIPPLE AND NOISE		X	120mV	X	X	X	X
Q1I-2050V-053	50W	10A	X	6A	X	X	X
REGULATION LOAD		±5%	X	±5%	X	X	X
RIPPLE AND NOISE		80mV	X	50mV	X	X	X
Q1I-2060V-123	60W	X	5A	6A	X	X	X
REGULATION LOAD		X	±5%	±5%	X	X	X
RIPPLE AND NOISE		X	120mV	50mV	X	X	X
Q1I-2060V-125	60W	6A	5A	X	X	X	X
REGULATION LOAD		±5%	±5%	X	X	X	X
RIPPLE AND NOISE		50mV	120mV	X	X	X	X

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 70°C , STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MINIMUM AT 115V 80% OF FULL LOAD

EFFICIENCY : 79% (+/-2%) - Q1I-2050V-053, 81% (+/-2%) - Q1I-2060V-123/Q1I-1060V-12/@

115/230VAC AND LOAD CONDITION : 5V/6.04A, 3.3V/6A - Q1I-2050V-053, 12V/3.35A, 3.3V/6A -

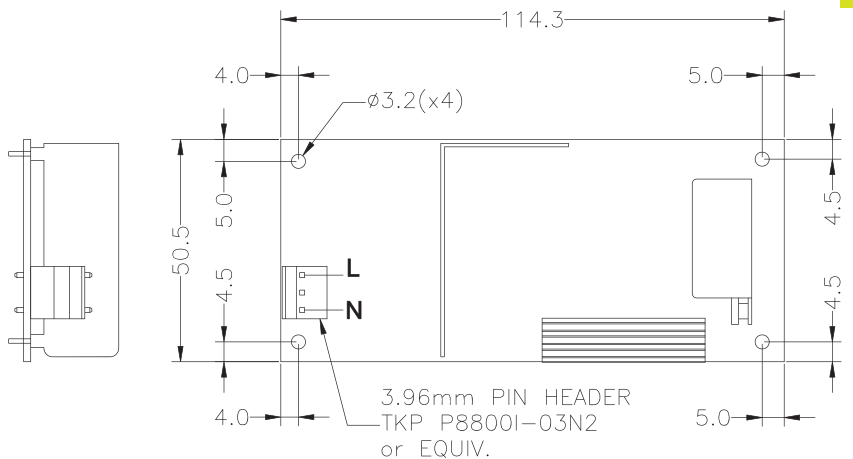
Q1I-2060V-123

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 114.5(D) × 50.8(W) × 38(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
Q1H-5060V	60W	7A	5A	6A	X	0.3A	4A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 40W

Q1H-5060V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

1.5/1A AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

35/70 AMPS @115/230 VAC

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~70°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16mS MINIMUM AT 115V 80% OF FULL LOAD

EFFICIENCY : 80%±2% TYPICAL · AT FULL LOAD 115VAC

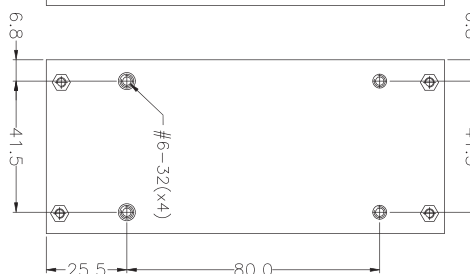
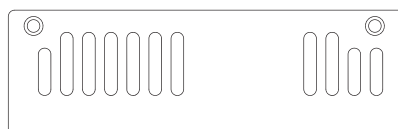
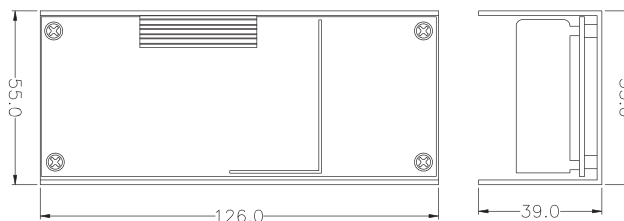
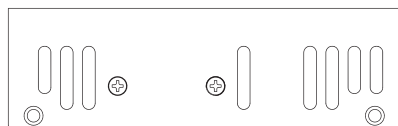
POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 126(D)×55(W)×39(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT		
		+12V	+24V	+48V
Q1F-1150V12	150W	12.5A	X	X
Q1F-1150V24	150W	X	6.25A	X
Q1F-1150V48	150W	X	X	3.125A
REGULATION LOAD		±5%	±5%	±5%
RIPPLE AND NOISE		120mV	240mV	480mV

Q1F-1150V12
Q1F-1150V24
Q1F-1150V48

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

2.5/1A AT ANY LOW/HIGH RANGE INPUT VOLTAGE ; 2/1A AT ANY LOW/HIGH RANGE INPUT VOLTAGE (Q1F-1150V48)

INRUSH CURRENT :

35/70 AMPS @115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~70°C , STORAGE -20°C ~80°C

HOLD UP TIME : 32mS MINIMUM AT 115V OF FULL LOAD

EFFICIENCY : 82%±2% TYPICAL · AT FULL LOAD 115VAC/230VAC AND LOAD CONDITION

12V/12.5A-Q1F-1150V12 · 83%±2% TYPICAL · AT 115Vin AND LOAD CONDITION

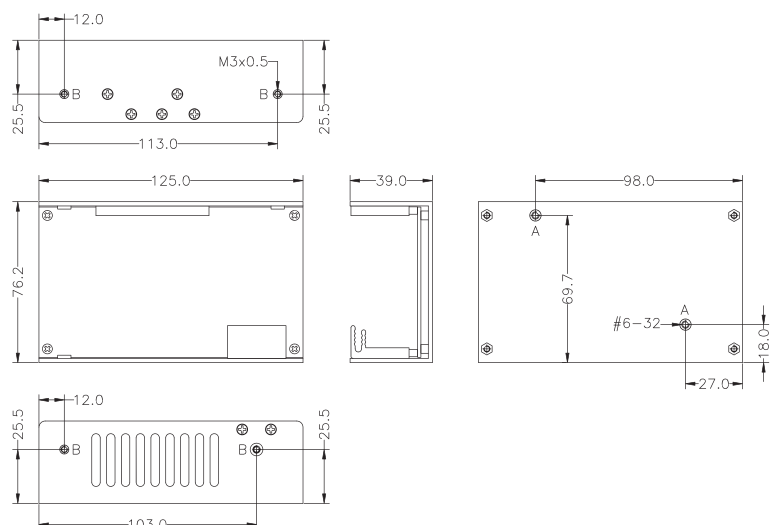
24V/6.25A-Q1F-1150V24 ; 48V/3.125A-Q1F-1150V48

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 125(D) × 76.2(W) × 39(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT		
		+5V	+12V	+3.3V
Q1F-2150V123	150W	X	12.5A	8A
Q1F-2150V125	150W	8A	12.5A	X
REGULATION LOAD		±5%	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV

Q1F-2150V123 Q1F-2150V125

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

2.5/1A AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

35/70 AMPS @115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~70°C , STORAGE -20°C ~80°C

HOLD UP TIME : 32mS MINIMUM AT 115V FULL LOAD

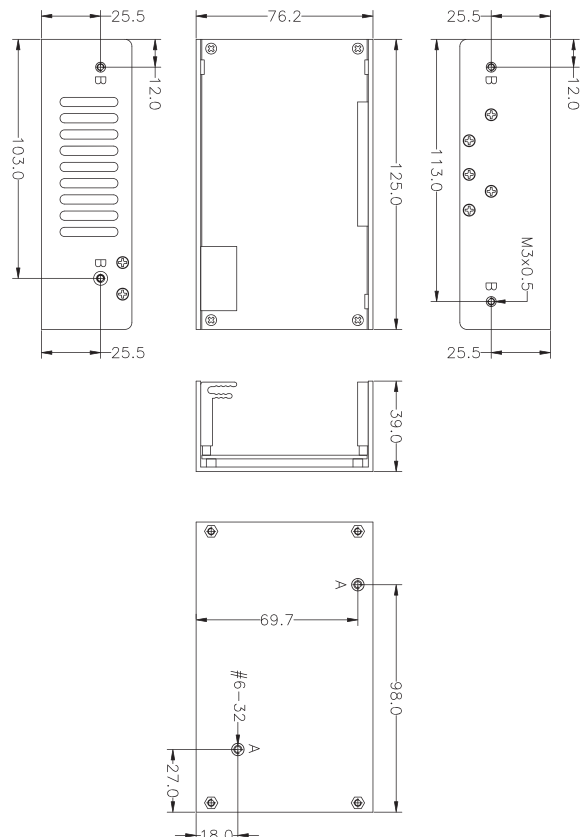
EFFICIENCY : 82%±2% TYPICAL · AT FULL LOAD 115VAC/230VAC AND LOAD CONDITIOIN :
12V/12.5A

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT:3mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 125(D) × 76.2(W) × 39(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
Q1D-5120V	120W	14A	8A	12A	X	0.5A	1.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V and +3.3V TOTAL OUTPUT MAX : 70W (WITH 20 CFM)

+5V and +3.3V TOTAL OUTPUT MAX : 50W (WITHOUT FAN)

Q1D-5120V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

2/1A AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

35/70 AMPS @115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL, CUL, TUV,CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 41mS MINIMUM AT 115V FULL LOAD

EFFICIENCY : 80%(±2%) TYPICAL @ FULL LOAD 230VAC IN AND LOAD CONDITION:12V/

4.46A;5V/4.98A;3.3V/4.27A;-12V/0.39A;5VSB/0.56A

OUTPUT PROTECTION : OPP / OVP / SCP

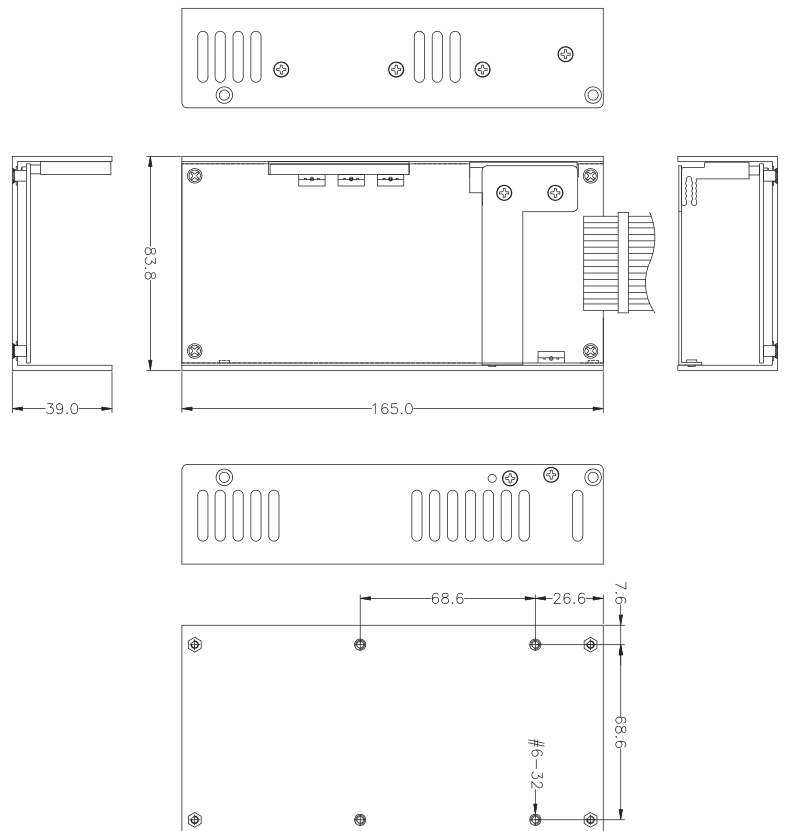
REMOTE ON/OFF CONTROL

DIMENSION : 165(L) x 83.8(W) x 39(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
Q1K-5150V	150W	14A	12A	12A	X	0.5A	3A
Q1K-5200V	200W	14A	15.5A	12A	X	0.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V and +3.3V TOTAL OUTPUT MAX : 70W (WITH 10 CFM)

+5V and +3.3V TOTAL OUTPUT MAX : 50W (WITHOUT FAN)

Q1K-5150V Q1K-5200V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

WATTAGE	115V	230V
150W	2.5A	1A
200W	3A	1.5A

INRUSH CURRENT :

INRUSH CURRENT : 35/80 AMPS @115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

EMI : IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EMS : EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5

SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~70°C , STORAGE -20°C ~80°C

HOLD UP TIME : 100ms MINIMUM AT 115V FULL LOAD

EFFICIENCY : 83% (+/-2%) - Q1K-5150V ; 83% (+/-2%) - Q1K-5200V @ 230VACin AND

LOAD CONDITION : 12V/7.78A; 5V/5.57A; 3.3V/4.77A; -12V/0.31A; 5VSB/1.87A -Q1K-5150V

12V/11.18A; 5V/6.47A; 3.3V/5.53A; -12V/0.36A; 5Vsb/2.17A -Q1K-5200V

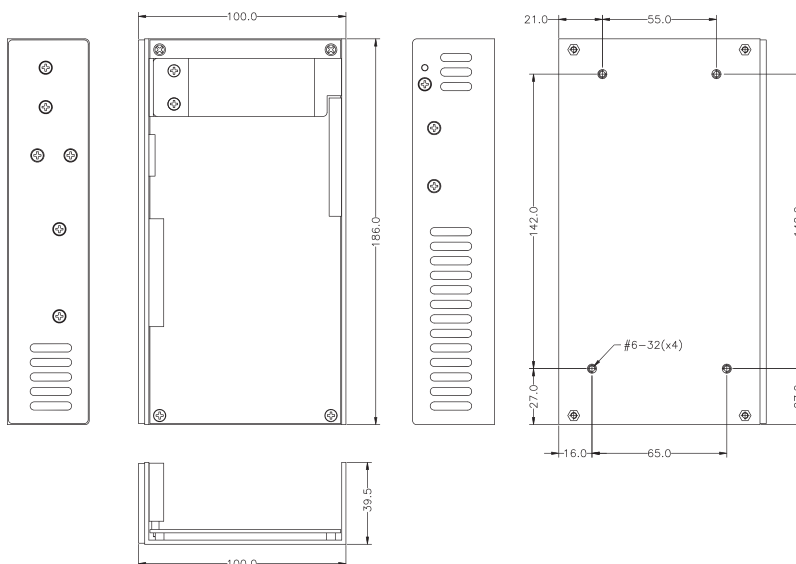
POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 186(D) × 100(W) × 39.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
Q1M-5300V	300W	12A	24A	12A	X	0.3A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 70W WITH 15CFM AIR FLOW; 50W W/O AIR FLOW
 AIR FLOW
 TOTAL OUTPUT POWER : 300W WITH 15CFM AIR FLOW; 240W W/O AIR FLOW

Q1M-5300V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

4/2A AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

15/30 AMPS @115/230 VAC (AT 25 DEGREES AMBIENT COLD START)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD.

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 20mS MINIMUM AT 115V FULL LOAD

EFFICIENCY : 89% (+/-2%) @ 230VACin AND LOAD CONDITION : 12V/21A; 5V/5A; 3.3V/4.5A; -12V/0.24A; 5VSB/1A

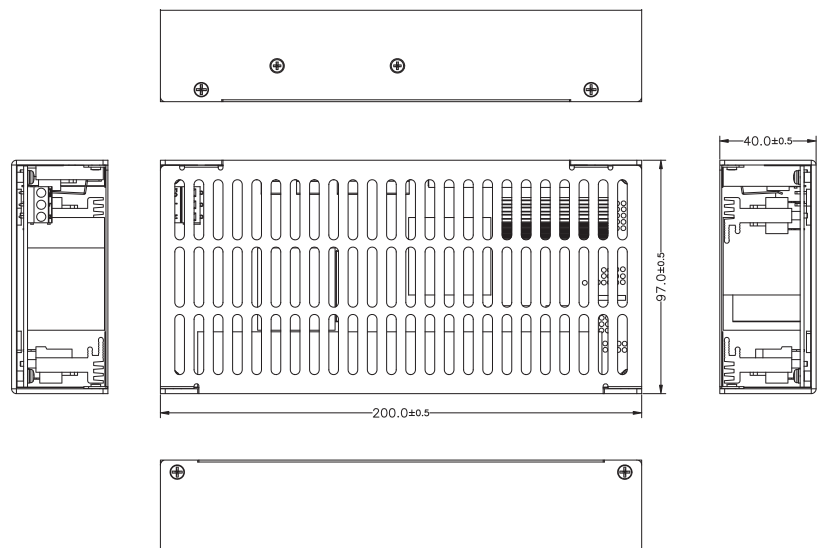
POWER GOOD SIGNAL : ON DELAY 100mS TO 500mS

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 200(D) × 100(W) × 43(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Module

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT
		+12V
G1X-1060V12	60W	5A
REGULATION LOAD		±5%
RIPPLE AND NOISE		120mV

REMARKS : OUTPUT MAX : 60W

G1X-1060V12

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~70°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16mS MINIMUM AT 115V 80% OF FULL LOAD

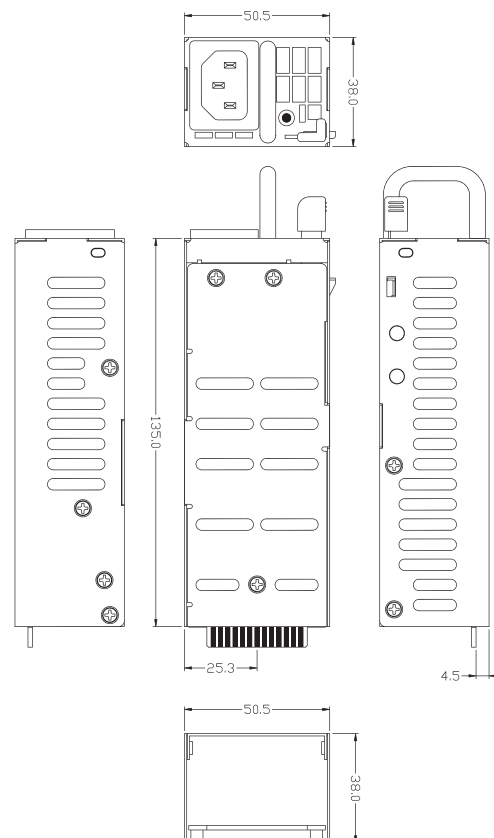
EFFICIENCY : 80%±2% TYPICAL · AT FULL LOAD 115VAC

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

OUTPUT PROTECTION : OPP / OVP / SCP

DIMENSION : 135(D) × 50.5(W) × 38(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

1.5A @ 115 VAC, 1A @ 230 VAC

INRUSH CURRENT :

35A MAX.@115 VAC PER MODULE, 70A MAX. @ 230 VAC PER MODULE

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC



1U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT
		+12V
G1X2-1060V12	60W	5A
REGULATION LOAD		±5%
RIPPLE AND NOISE		120mV

REMARKS : OUTPUT MAX : 60W

G1X2-1060V12

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

1.5A @ 115 VAC, 1A @ 230 VAC

INRUSH CURRENT :

35A MAX. @ 115 VAC PER MODULE, 70A MAX. @ 230 VAC PER MODULE

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~70°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16mS MINIMUM AT 115V 80% OF FULL LOAD

EFFICIENCY : 78%±2% TYPICAL · AT FULL LOAD 115VAC

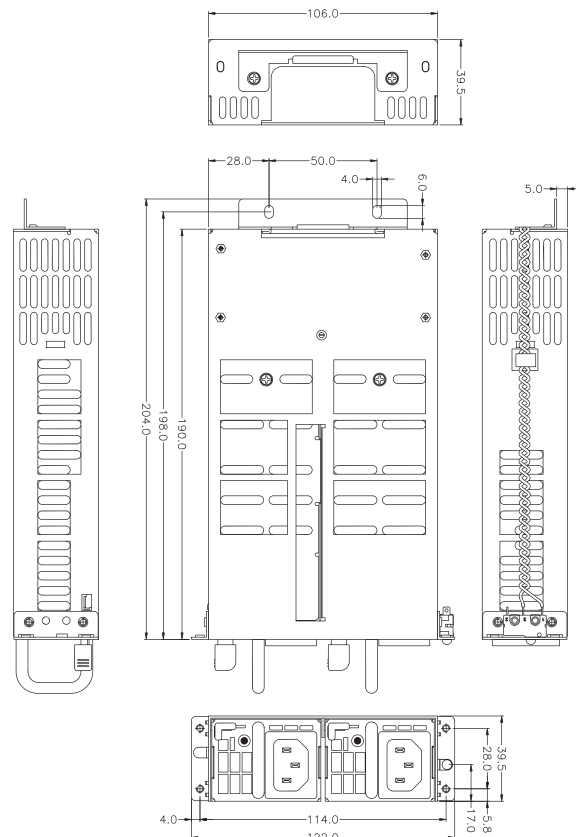
OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

WARNING METHOD : AUDIO ALARM (BUZZER SOUND, RESETABLE), FALUT LED, TTL

DIMENSION : 190(D) × 106(W) × 39.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Fanless



1U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
G1X2-5060V	60W	6A	5A	6A	X	0.3A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 30W; TOTAL OUTPUT MAX : 60W

G1X2-5060V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

2A @115 VAC, 1A @230 VAC

INRUSH CURRENT :

35A MAX. @ 115 VAC PER MODULE, 70A MAX. @ 230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 70°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16mS MINIMUM AT 115V 80% OF FULL LOAD

EFFICIENCY : TYPICAL 76%±2% AT FULL LOAD 115VAC

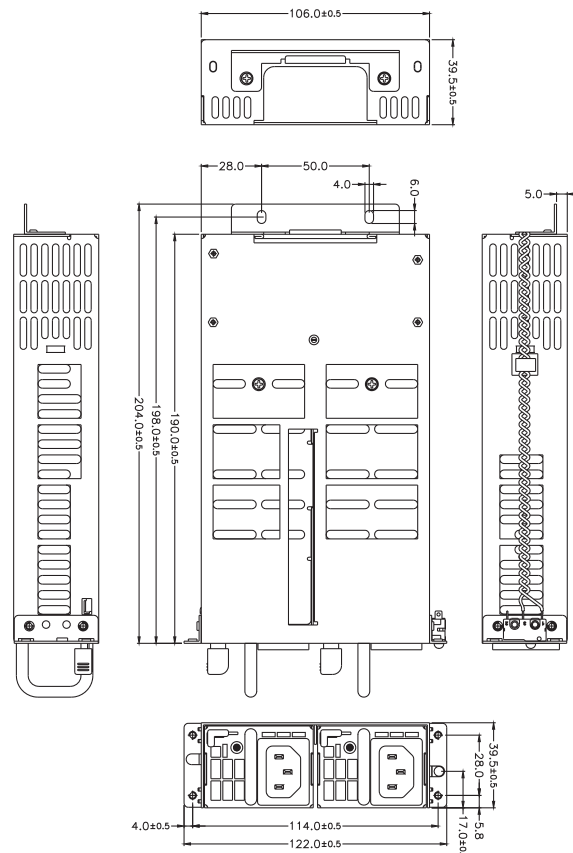
OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5 mA. MAX. AT NOMINAL VOLTAGE 264VAC

WARNING METHOD : AUDIO ALARM (BUZZER SOUND, RESETABLE), FALUT LED, TTL

DIMENSION : 190(D) × 106(W) × 39.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT
		+12V
DG1X-1060V12	60W	5A
REGULATION LOAD		±5%
RIPPLE AND NOISE		120mV

REMARKS : OUTPUT MAX : 60W

DG1X-1060V12

INPUT CHARACTERISTICS:

VOLTAGE :

39-72VDC FULL RANGE

FREQUENCY :

0HZ(DC)

STEADY-STATE CURRENT

3/1.5A AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

3AMPS @ 48VDC HIGH FREQUENCY PEAK AMPLITUDES
LASTING LESS THAN 100uS (AT 25 DEGREES AMBIENT COLD
START)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,
FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI:

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY APPROVAL :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 70°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16mS MINIMUM AT 115V 80% OF FULL LOAD

EFFICIENCY : 80%±2% TYPICAL · AT FULL LOAD -48VDC AND LOAD CONDITION : 12V/5A

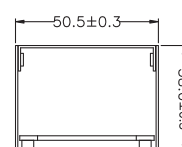
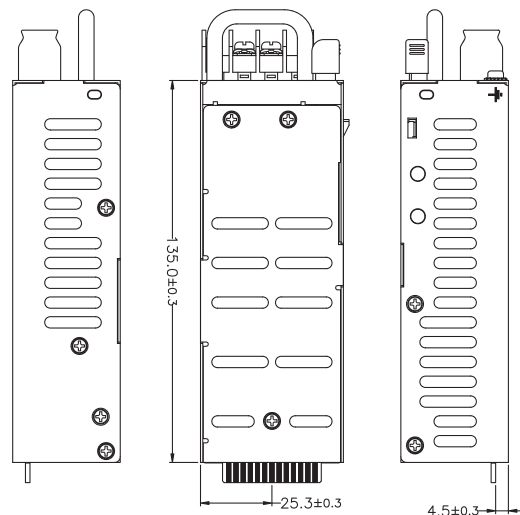
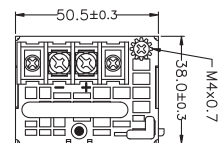
OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5 mA. MAX. AT NOMINAL VOLTAGE 264VAC

WARNING METHOD : AUDIO ALARM (BUZZER SOUND, RESETABLE), FALUT LED, TTL

DIMENSION : 135(D) × 50.5(W) × 38(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE
OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH
CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Fanless



1U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DG1X2-5060V	60W	6A	5A	6A	X	0.3A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 30W

MAXIMUM OUTPUT POWER : 60W

DG1X2-5060V

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 70°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 1ms IN

REGULATION LIMIT AT -48V

EFFICIENCY : 78%±2% TYPICAL · AT FULL LOAD -48VDC

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5 mA. MAX. AT NOMINAL VOLTAGE 264VAC

WARNING METHOD : AUDIO ALARM (BUZZER SOUND, RESETABLE), FALUT LED, TTL

DIMENSION : 190(D) × 106(W) × 39.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

39-72VDC FULL RANGE

FREQUENCY :

0HZ(DC)

STEADY-STATE CURRENT :

3/1.5A AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

3AMPS @ 48VDC HIGH FREQUENCY PEAK AMPLITUDES LASTING LESS THAN 100uS (AT 25 DEGREES AMBIENT COLD START)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

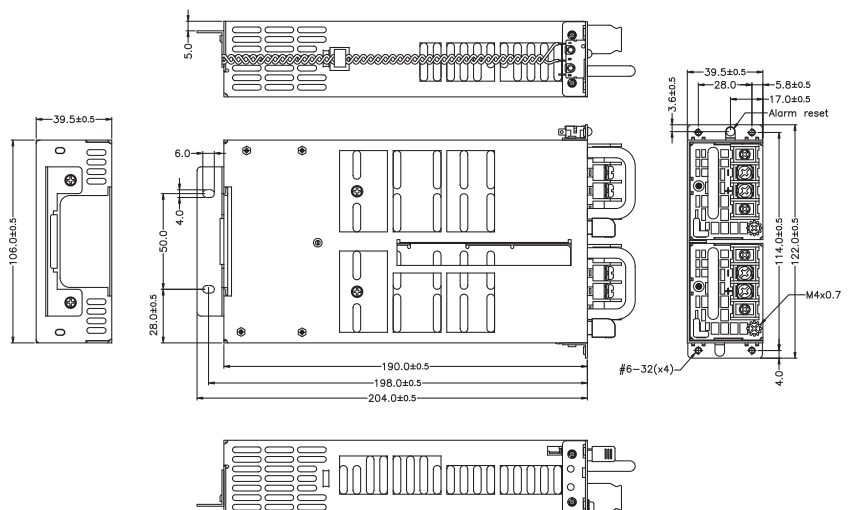
IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY APPROVAL :

UL&CUL, TUV, CCC



Fanless



1U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT	
		+5V	+12V
RH1E-1067V	60W	X	5A
REGULATION LOAD		±5%	±5%
RIPPLE AND NOISE		70mV	120mV

RH1E-1067V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

1.5/1A @ ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

35/70AMPS @ 115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~70°C , STORAGE -10°C ~85°C

HOLD UP TIME : WHEN AC SOURCE SHUTDOWN DC OUTPUT MUST BE MAINTAIN 20mSEC IN

REGULATION LIMIT AT NORMAL INPUT VOLTAGE(AC115V AT 80% OF FULL LOAD)

EFFICIENCY : TYPICAL, 80% for 12V/5A AT 115VAC/230VAC AND FULL LOAD CONDITION

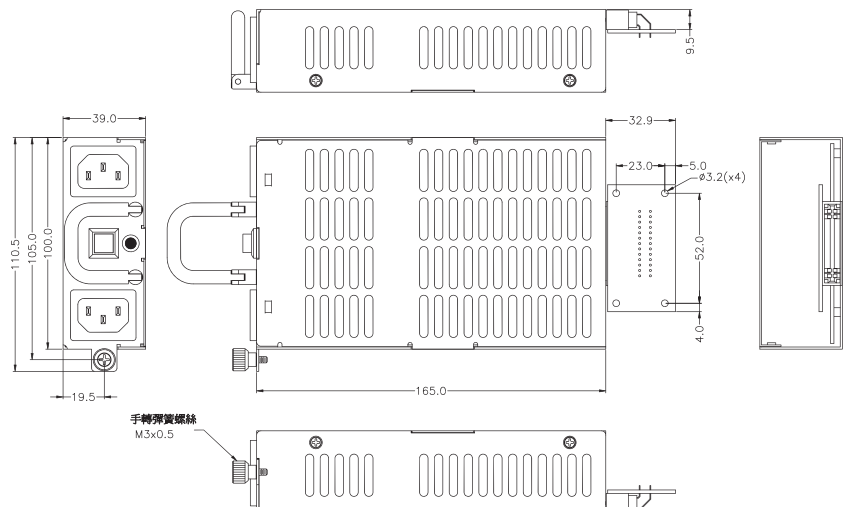
OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : MODULE PHYSICAL DIMENSION MAX. 200(D) × 100(W) × 40(H) mm; BACK

PLANE PHYSICAL DIMENSION MAX. : 32(D) X 60(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Fanless



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
AN1U-5150V	150W	8A	12.5A	8A	X	0.3A	2A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : PEAK : +5V → 12A, +3.3V → 12A, +5VSB → 3A; LOAD SHOULD NOT EXCEED 20SECONDS.

+5V AND +3.3V TOTAL OUTPUT : 65W MAX

TOTAL OUTPUT POWER : 150W

AN1U-5150V

SPECIFICATION:

TEMPERATURE RANGE : OPERATING -20°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16mS MINIMUM AT 115V 80% OF FULL LOAD

EFFICIENCY : 96% (+/-2%) AT 12VDC AND LOAD CONDITION : 5V/5.39A, 12V/8.01A, +3.3V/5.39A, -12V/0.2A, 5VSB/1.34A

OUTPUT PROTECTION : OPP / OVP / SCP

DIMENSION : 40.5(D) × 100(W) × 20.6(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE(SINUSOIDAL) :

12VDC FULL RANGE

STEADY-STATE CURRENT :

15A

EMI :

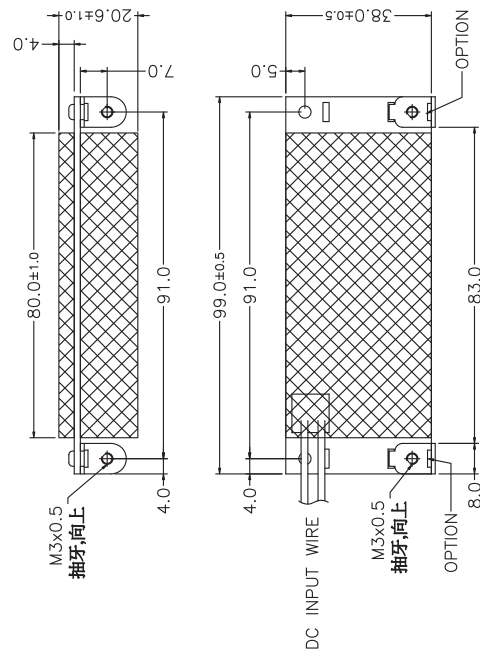
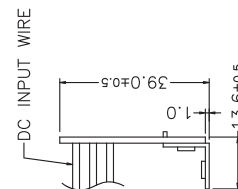
IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY APPROVAL :

UL, CUL, TUV, CCC





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
AB1U-5120V	120W	14A	8A	12A	X	0.5A	1.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V and +3.3V total output max : 70W(with 10CFM); +5V and +3.3V total output max : 50W(without FAN)

AB1U-5120V

INPUT CHARACTERISTICS:

VOLTAGE :

10 ~ 36VDC

INPUT CURRENT :

14.5/4A AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

15AMPS MAX. @ 36 VDC (at 25 degrees ambient cold start)

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 2mS MINIMUM AT 10V FULL LOAD

EFFICIENCY : 80%(±2%) TYPICAL @ FULL LOAD 12VDC/24VDC IN AND LOAD CONDITIO

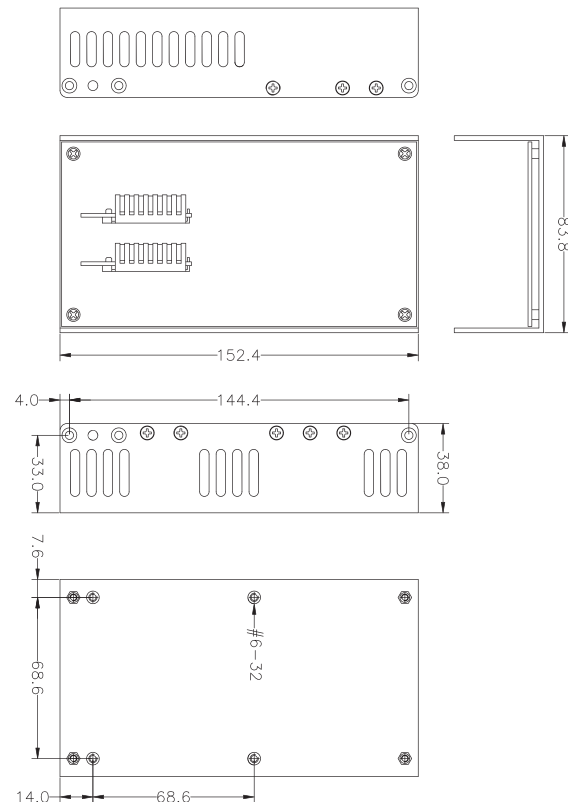
N:12V/4.46A;5V/4.98A;3.3V/4.27A;-12V/0.39A;5VSB/0.56A

OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

DIMENSION : 152(L) x 84(W) x 39(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BB1U-6150V	150W	14A	12A	12A	0.3A	0.5A	1.5A
REGULATION LOAD		±5%	±5%	±5%	±5%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	100mV	120mV	50mV

REMARKS : -5V IS OPTION AND WE DID NOT PUT -5V IN OUT STANDARD MODEL; +5V AND +3.3V TOTAL OUTPUT MAX : 50W(without FAN)

BB1U-6150V

INPUT CHARACTERISTICS:

VOLTAGE :

18 ~ 36VDC

INPUT CURRENT :

10/5A AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

15Amps @ 36 VDC (at 25 degrees ambient cold start)

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~70°C , STORAGE -20°C ~80°C

HOLD UP TIME : 2mS MINIMUM AT 18V FULL LOAD

EFFICIENCY : 82%(+/-2%) AT 18VDC/24VDC IN AND LOAD CONDITION; 12V/6.12A;

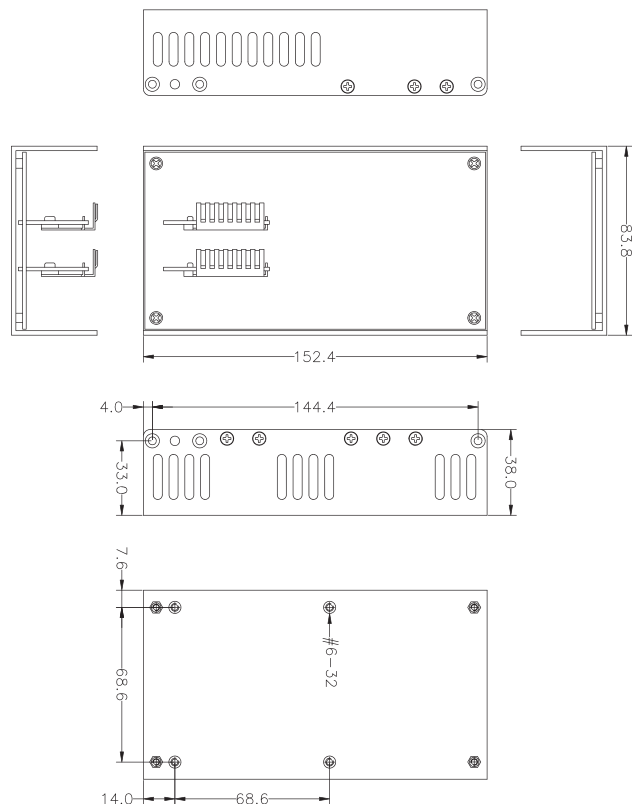
5V/4.98A; 3.3V/4.27A; -12V/0.39A; 5VSB/0.56A

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 36VDC

DIMENSION : 152.4(L) × 83.8(W) × 38(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
GIN1-5800V4H	800W	25A	60A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : THE OUTPUT POWER OF 5V & 3.3V NOT EXCEED 170W

GIN1-5800V4H

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

6A @ 230VAC, 12A @ 115VAC

INRUSH CURRENT :

60A MAX. @ 115 VAC PER MODULE, 80A MAX. @230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C · STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN

16mSEC IN REGULATON LIMIT AT NORMAL INPUT VOLTAGE.

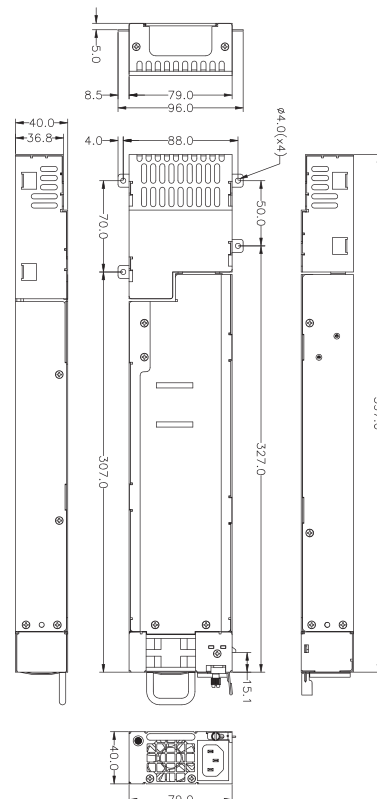
EFFICIENCY : >80% TYPICAL AT 115V 20%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1Ms

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

DIMENSION : 397 (D) X 79 (W) X 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Easy Swap





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V1	+12V1	+3.3V1	-5V	-12V1	+5VSB1
GIN1-5800V4D	800W	25A	60A	25A	X	0.8A	3.5A
		+5V2	+12V2	+3.3V2	-5V	-12V2	+5VSB2
		25A	60A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : THE OUTPUT POWER OF 5V & 3.3V NOT EXCEED 170W

TOTAL CURRENT OF V1 AND V2 NOT EXCEED EACH MAX LOAD

TOTAL OUTPUT POWER OF V1 AND V2 NOT EXCEED 800W

GIN1-5800V4D

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

6A @ 230VAC, 12A @ 115VAC

INRUSH CURRENT:

60A MAX. @ 115 VAC, 80A MAX. @230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C · STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN

16mSEC IN REGULATON LIMIT AT NORMAL INPUT VOLTAGE.

EFFICIENCY : >80% TYPICAL AT 115A 20%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1Ms

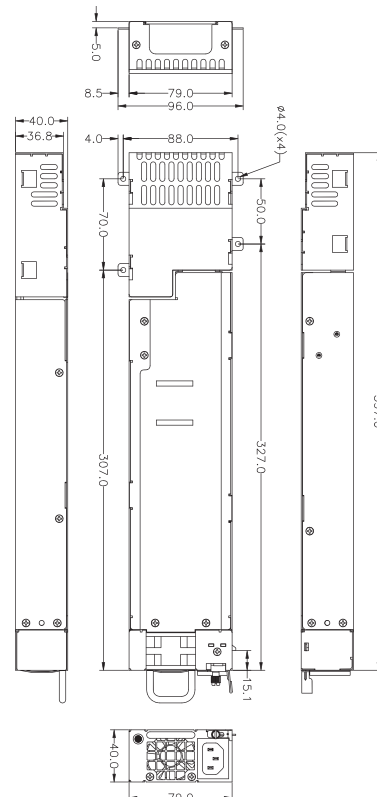
OUTPUT PROTECTION : OPP / OVP / SCP

DIMENSION : 397 (D) X 79 (W) X 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V1	+12V1	+3.3V1	-5V	-12V1	+5VSB1
KIN1-5A00V4D	1000W	32A	83A	32A	X	0.5A	3.5A
		+5V2	+12V2	+3.3V2	-5V	-12V2	+5VSB2
		32A	83A	32A	X	0.5A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : THE OUTPUT POWER OF 5V & 3.3V NOT EXCEED 190W

THE CURRENT OF V1 AND V2 NOT EXCEED EACH MAX LOAD

TOTAL OUTPUT POWER OF V1 AND V2 NOT EXCEED 1000W

KIN1-5A00V4D

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC(OUTPUT:1000W); 180~264VAC(OUTPUT :
1200W) FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

9A @ 230VAC, 15A @ 115VAC

INRUSH CURRENT :

25A MAX. @ 115 VAC PER MODULE, 50A MAX. @230 VAC
PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL
LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C · STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN

16mSEC IN REGULATON LIMIT AT NORMAL INPUT VOLTAGE.

EFFICIENCY : 88% TYPICAL @ FULL LOAD

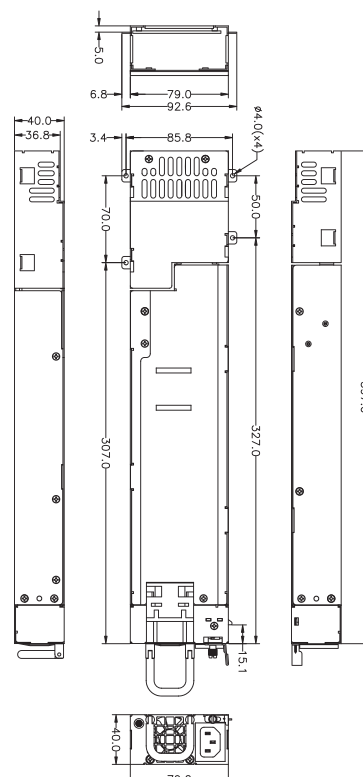
POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

REMOTE ON/OFF CONTROL

DIMENSION : 397 (D) x 79 (W) x 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE
OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH
CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
KIN1-5A00V4H	1000W	32A	83A	32A	X	0.5A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : TREMARK : THE OUTPUT POWER OF +5V & +3.3V NOT EXCEED 190W

KIN1-5A00V4H

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

7A @ 230VAC, 15A @ 115VAC

INRUSH CURRENT :

18A MAX. @ 115 VAC PER MODULE, 36A MAX. @230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 12V MUST BE MAINTAIN

12mSEC IN REGULATON LIMIT AT NORMAL INPUT VOLTAGE.

EFFICIENCY : TYPICAL 86% @ 230V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

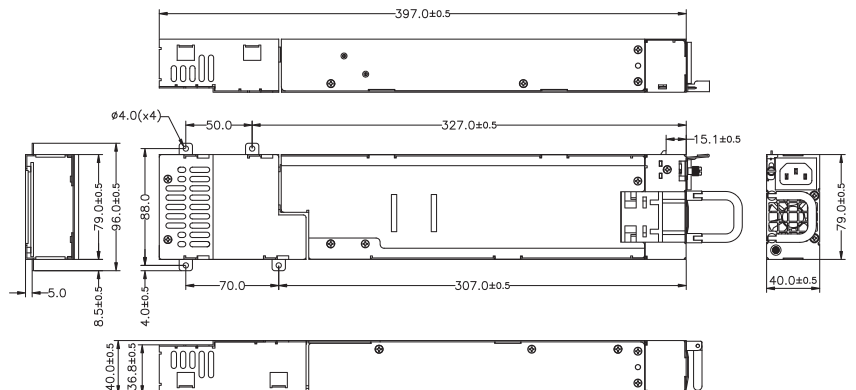
OUTPUT PROTECTION : OPP / OVP / OCP / SCP

LEAKAGE CURRENT : 3.5mA. MAX. AT NOMINAL VOLTAGE 250VAC

REMOTE ON/OFF CONTROL

DIMENSION : 397 (D) x 79 (W) x 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1Z-6350P	350W	25A	28A	20A	0.5A	0.8A	2.0A
P1Z-6400P	400W	25A	28A	20A	0.5A	0.8A	2.0A
REGULATION LOAD		±5%	±6%	±5%	±10%	+5%/-7%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	150mV	100mV	50mV

REMARKS : THE OUTPUT POWER OF 5V & 3.3V NOT EXCEED 175W

P1Z-6350P P1Z-6400P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

5A @ 230VAC, 8A @ 115VAC

INRUSH CURRENT:

60A MAX. @ 115 VAC PER MODULE, 80A MAX. @230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL @ 115V FULL LOAD

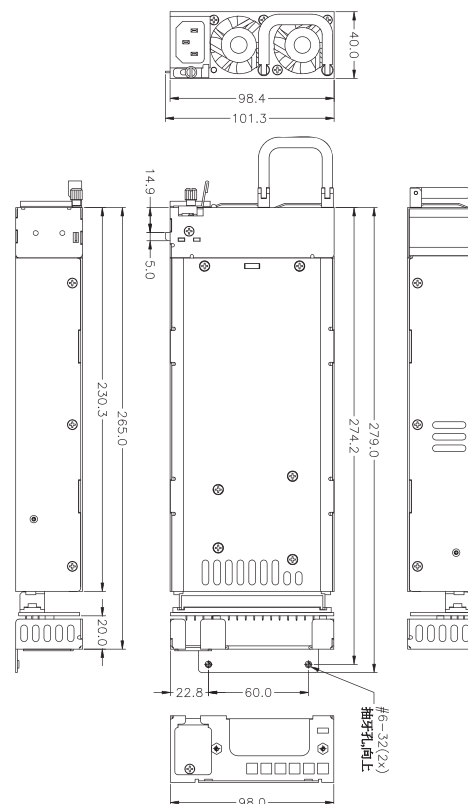
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

3.3V / 5V REMOTE SENSING

DIMENSION : 265 (D) x 98.4 (W) x 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1W-6520P	520W	30A	32A	24A	0.7A	0.7A	3A
REGULATION LOAD		±5%	±5%	±5%	-10%/+5%	-10%/+5%	-5/+6%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	120mV	70mV

REMARKS : TOTAL CURRENT OF +5V AND + 3.3V NOT EXCEED 43 A



P1W-6520P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

4A @ 230VAC, 8A @ 115VAC

INRUSH CURRENT :

60A MAX. @ 115 VAC, 80A MAX. @230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ; STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM @ FULL LOAD

EFFICIENCY : 67% TYPICAL @ FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

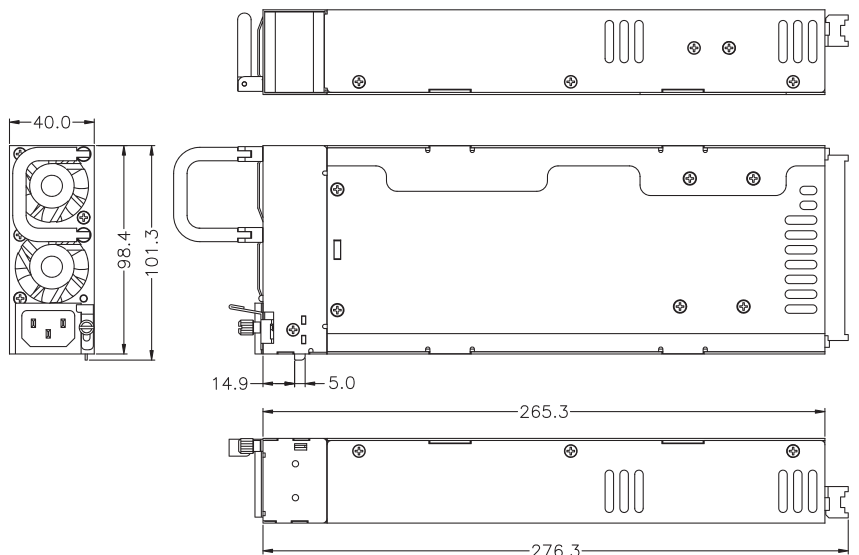
OUTPUT PROTECTION : OPP / OVP / OCP / SCP

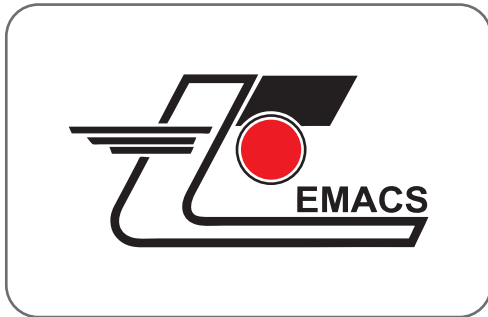
EASY-SWAPPABLE FUNCTION

REMOTE SENSING DESIGN

DIMENSION : 300 (D) X 100.8(W) X 41.8(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1W1-5A10V3H	600W	32A	42A	24A	X	1.A	2.0A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	70mV	50mV	X	70mV	70mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND + 3.3V NOT EXCEED 210W

M1W1-5A10V3H

INPUT CHARACTERISTICS:

VOLTAGE :

90~264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

5A @ 230VAC, 10A @ 115VAC

INRUSH CURRENT:

160A MAX. @ 115 VAC PER MODULE, 180A MAX. @230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 70% TYPICAL @ FULL LOAD

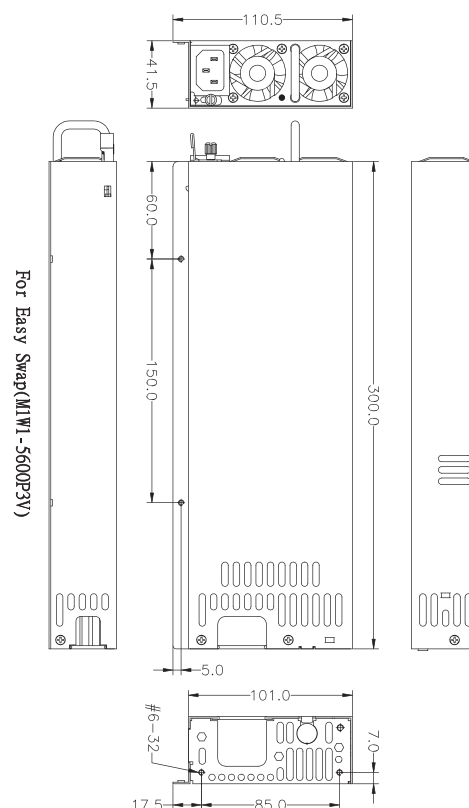
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE SENSING DESIGN

DIMENSION : 300(D) X 101(W) X 41.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1P1-5500V	1010W	24A	83A	24A	X	0.5A	4A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND + 3.3V NOT EXCEED 135W

M1P1-5500V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

7.5A @ 230VAC, 15A @ 115VAC

INRUSH CURRENT:

15A MAX. @ 115 VAC PER MODULE, 30A MAX. @230 VAC
PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL
LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C ;

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

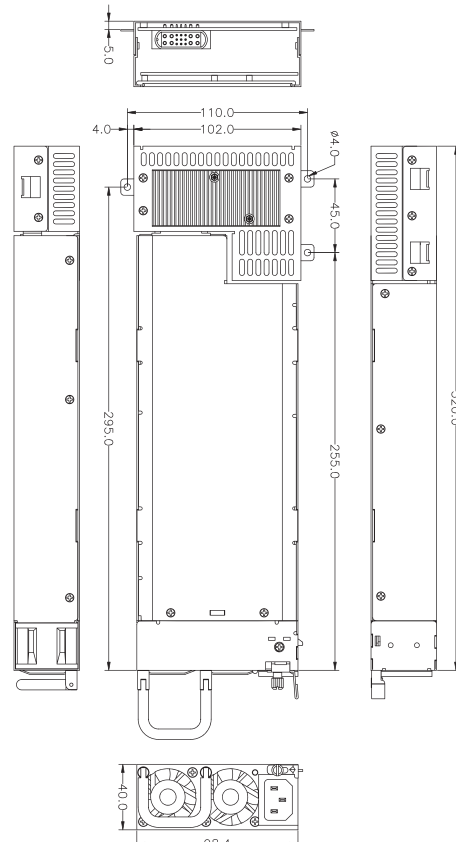
EFFICIENCY : TYPICAL 84% @ 115V, 86% AT 230V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 320(D) X 98.4(W) X 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE
OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH
CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BMTW1-5601V4H	600W	42A	50A	18A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	50mV	X	120mV	50mV

REMARKS : TOTAL MAX OUTPUT: 600W (AT 18V ONLY 550W, AT 17V ONLY 500W)

+5V AND +3.3V TOTAL OUTPUT MAX: 230W

DE-RATING AT+12V RAIL AMPERE OUTPUT WHEN NEEDED, BOTH +5V AND +3.3V
MAXIMUM OUTPUT REMAIN ON SAME

BMTW1-5601V4H

INPUT CHARACTERISTICS:

VOLTAGE :

19~36VDC

STEADY-STATE CURRENT :

19~36VDC/45~21 AMP (33A @ 24VDC)

INRUSH CURRENT :

50A MAX. @24VDC INPUT (AT 25DEGREES AMBIENT COLD START)

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 60°C , STORAGE -20°C ~80°C

HOLD UP TIME : 1ms IN REGULATOIN LIMIT AT NORMAL INPUT VOLTAGE (DC 24V)

EFFICIENCY(PER SET) : POWER SUPPLY EFFICIENCY TYPICAL >80% AT 24VDCin, FULL LOAD

POWER GOOD SIGNAL: ON DELAY 100ms TO 500ms, OFF DELAY 1ms

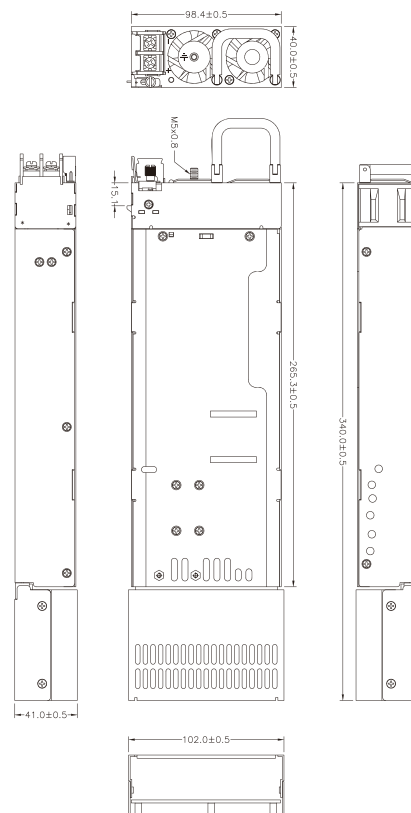
OUTPUT PROTECTION: OPP / OVP / SCP / OCP

REMOTE ON / OFF CONTROL

AULTY ALARM METHODS: BUZZER, TTL SIGNAL

DIMENSION : 340(D) X 102(W) X 41(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Easy Swap



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT
		+48V
P1S-1130V48	130W	2.71A
P1S-1131V48	130W	2.71A
REGULATION LOAD		±5%
RIPPLE AND NOISE		480mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 130W

P1S-1130V48 P1S-1131V48

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

2 / 1 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

35/70 AMPS @115/230VAC (HIGH-FREQUENCY PEAK AMPLITUDES LASTING LESS THAN 50µs. SHALL BE IGNORED)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C

EFFICIENCY : 88% TYPICAL @ 230V OF FULL LOAD

HOLD UP TIME : +12V MUST BE MAINTAIN 17ms IN REGULATION LIMIT AT 115V INPUT

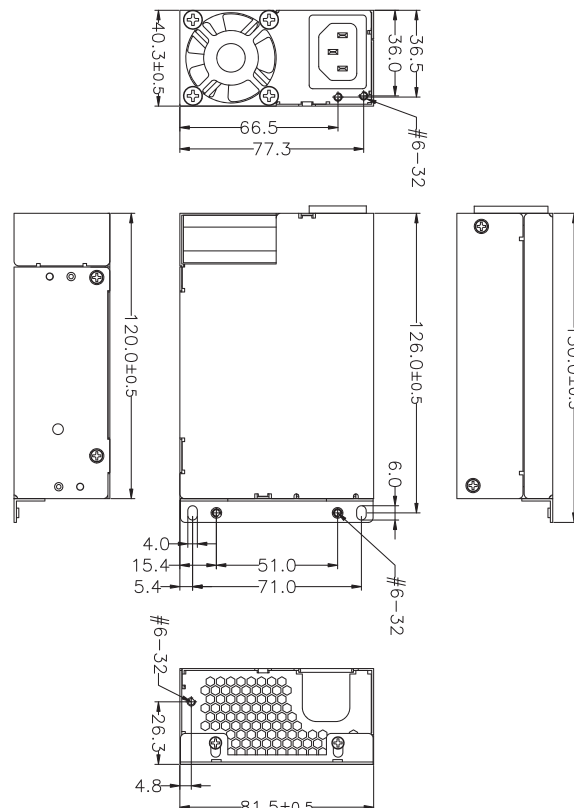
VOLTAGE

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

LEAKAGE CURRENT : 3.5mA. MAX. AT NOMINAL VOLTAGE VAC

DIMENSION : 120(D) x 81.5(W) x 40.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V*	-12V	+5VSB
P1S-2120V	120W	10A	10A	X	X	X	X
REGULATION LOAD		±5%	±5%	X	X	X	X
RIPPLE AND NOISE		50mV	120mV	X	X	X	X

REMARKS : POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 120W

P1S-2120V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

2 / 1 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

35/70 AMPS @110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C

EFFICIENCY : 85% TYPICAL @ 230V, 50% OF FULL LOAD

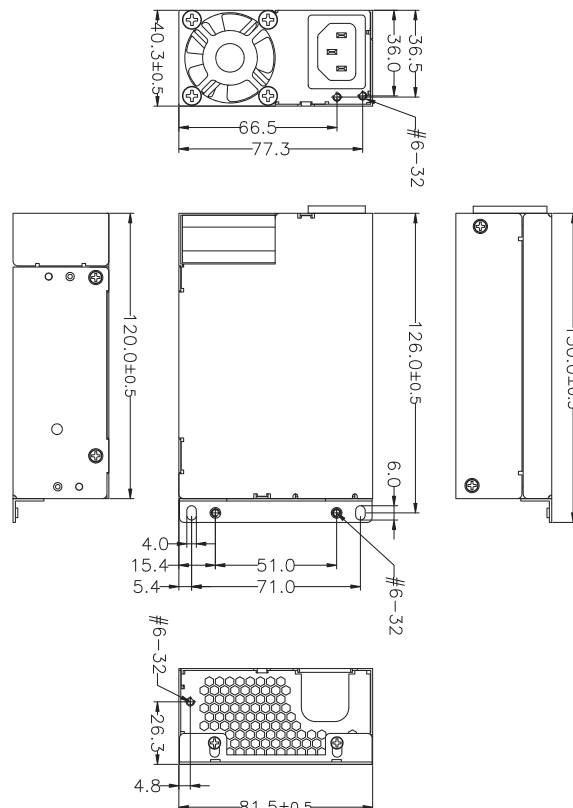
HOLD UP TIME : +12V MUST BE MAINTAIN 17ms IN REGULATION LIMIT AT 115V INPUT

VOLTAGE

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 120(D) x 81.5(W) x 40.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V*	-12V	+5VSB
P1S-5150V	150W	10A	12A	10A	0.3A	0.3A	2.5A
P1S-5151V	150W	14A	12A	12A	0.3A	0.3A	2.5A
P1S-5180V	180W	14A	14A	12A	0.3A	0.3A	2.5A
P1S-5221V	220W	14A	17.3A	12A	0.3A	0.3A	2.5A
REGULATION LOAD		±5%	±5%	±5%	±5%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	100mV	120mV	50mV

REMARKS : *-5V IS OPTION AND WE DID NOT PUT -5V IN OUR STANDARD MODEL.

*+5V AND +3.3V TOTAL OUTPUT MAX : 50W / 70W / 70W / 70W

P1S-5150V
P1S-5151V
P1S-5180V
P1S-5221V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

WATTAGE	115V	230V
150W	2A	1A
180W	2.5A	1A
220W	3A	1.5A

INRUSH CURRENT :

35A MAX. @ 115 VAC PER MODULE, 70A MAX. @230 VAC

PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

EFFICIENCY : 80%±2% TYPICAL @ 230V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1Ms

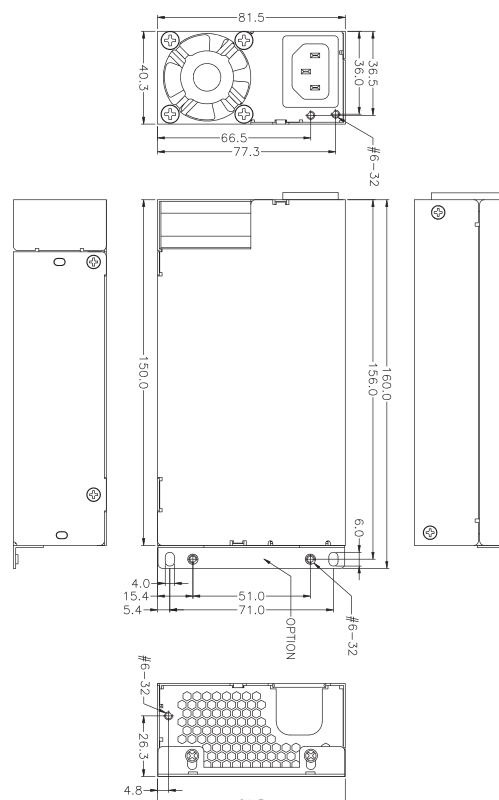
HOLD UP TIME : 20ms MINIMUM (16ms MINIMUM~P1S-5221V) AT 115V FULL LOAD

OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

DIMENSION : 150(D) x 81.5(W) x 40.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V*	-12V	+5VSB
P1S-5200V	200W	14A	16A	12A	0.3A	0.3A	2.5A
REGULATION LOAD		±5%	±5%	±5%	±5%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	100mV	120mV	50mV

REMARKS : *-5V IS OPTION AND WE DID NOT PUT -5V IN OUR STANDARD MODEL.

*+5 AND +3.3V TOTAL OUTPUT MAX : 70W

P1S-5200V

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~ 80°C

EFFICIENCY : 80%±2% TYPICAL @ 230V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1Ms

HOLD UP TIME : 16ms MINIMUM AT 115V FULL LOAD

OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

DIMENSION : 150(D) x 81.5(W) x 40.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

1.5A @ 230VAC, 3A @ 115VAC

INRUSH CURRENT :

35A MAX. @ 115 VAC PER MODULE, 70A MAX. @230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

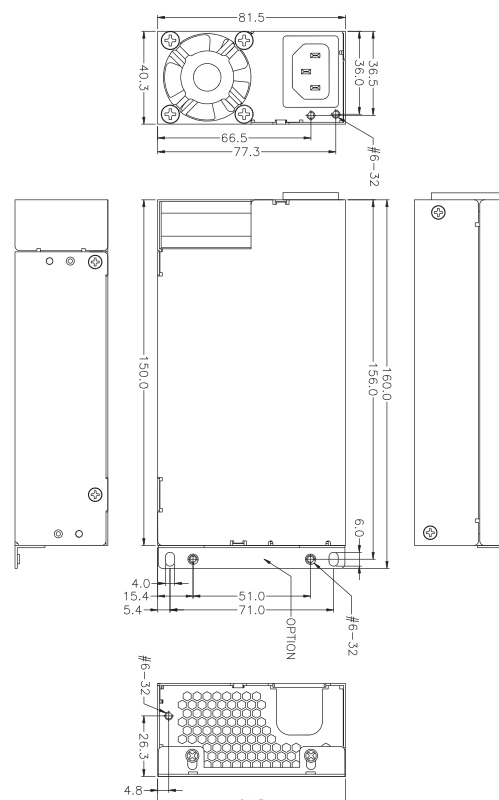
IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT						
		+5V	+12V1	+12V2	+3.3V	-5V	-12V	+5VSB
P1S-5220V	220W	12A	16A	X	10A	X	0.3A	2A
REGULATION LOAD		±5%	±5%	X	±5%	X	±10%	±5%
RIPPLE AND NOISE		60mV	120mV	X	60mV	X	120mV	60mV

REMARKS : +5 AND +3.3V TOTAL OUTPUT MAX : 80W

P1S-5220V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

3.5 / 2 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

60/100 AMPS @110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

EFFICIENCY : 80%±2% TYPICAL @ FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

HOLD UP TIME : 16ms MINIMUM AT 115V FULL LOAD

OUTPUT PROTECTION : OPP / OVP / SCP/ OCP

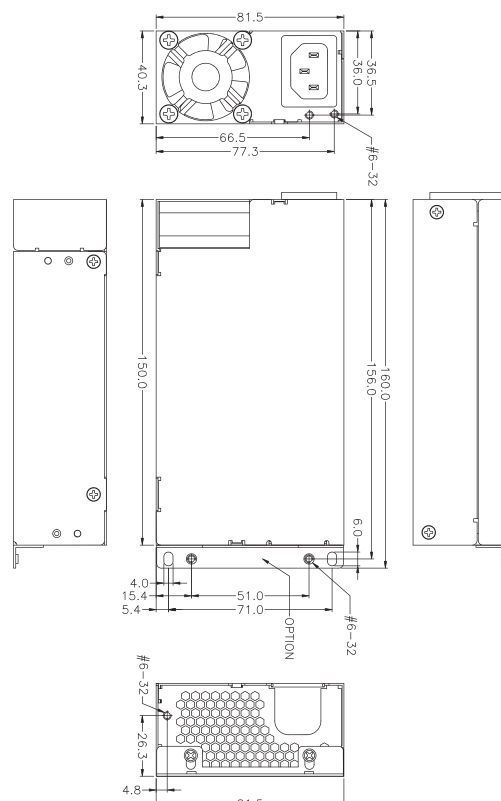
REMOTE ON/OFF CONTROL

DIMENSION : 150(D)×81.5(W)×40.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT						
		+5V	+12V1	+12V2	+3.3V	-5V	-12V	+5VSB
P1S-5300V	300W	18A	24A	X	17A	X	0.3A	2.5A
REGULATION LOAD		±5%	±5%	X	±5%	X	±10%	±5%
RIPPLE AND NOISE		60mV	120mV	X	60mV	X	120mV	60mV
P1S-6300V	300W	18A	8A	16A	17A	X	0.3A	2.5A
REGULATION LOAD		±5%	±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	120mV	60mV	X	120mV	60mV

REMARKS : +5 AND +3.3V TOTAL OUTPUT MAX : 120W

P1S-5300V P1S-6300V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

4.5 / 2 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

60/100 AMPS @110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

EFFICIENCY : 80%-84% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

HOLD UP TIME : 12ms MINIMUM AT 115V FULL LOAD

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

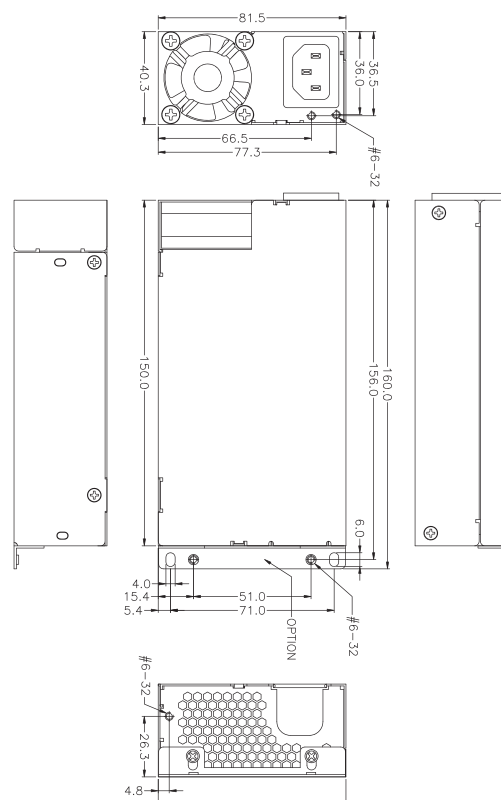
REMOTE ON/OFF CONTROL

DIMENSION : 150(D)×81.5(W)×40.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V1	+12V2	+3.3V	-5V	+5VSB
P1S-2300V	300W	X	24A	X	X	X	2.5A
P1S-2400V	400W	X	33A	X	X	X	2.5A
P1S-2500V	500W	X	41A	X	X	X	2.5A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

P1S-2300V P1S-2400V P1S-2500V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

WATTAGE	115V	230V
300W	4.5A	2A
400W	5.5A	2.5A
500W	3.5A	2.5A

INRUSH CURRENT:

60/80 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 16ms

IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : >80% AT 115VAC, 40%~100% MAX LOAD

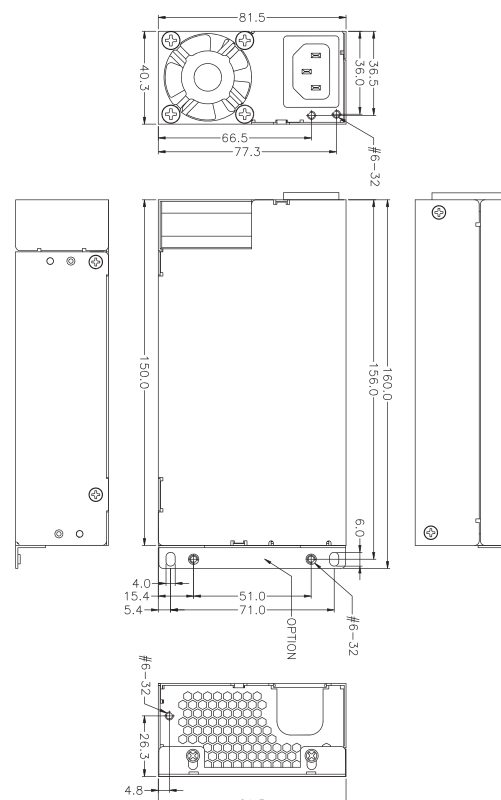
LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1Ms

OUTPUT PROTECTION : OPP / OVP / SCP

DIMENSION : 150(D)×81.5(W)×40.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1S-2507V	500W	X	41A	X	X	X	2.5A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

P1S-2507V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

6.5/3 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

60/80 AMPS @115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 16MSEC

IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : >80% AT 115VAC, 40%~100% MAX LOAD

LEAKAGE CURRENT : 3.5MA. MAX. AT NOMINAL VOLTAGE 250VAC

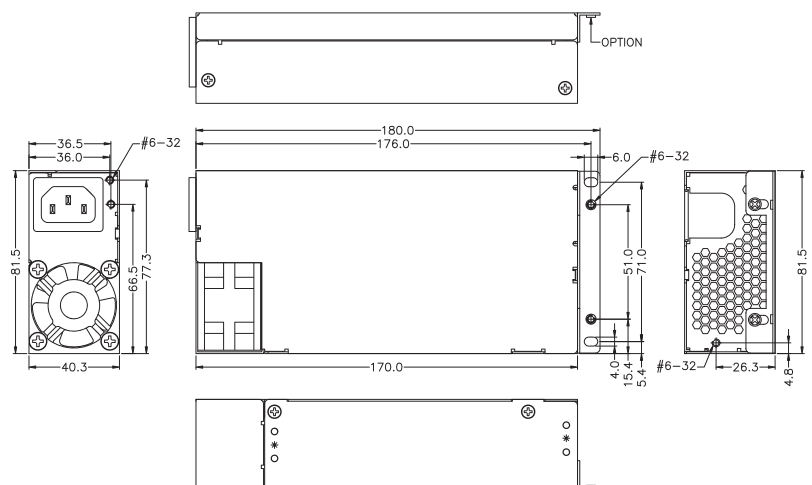
POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1Ms

OUTPUT PROTECTION : OPP / OVP / SCP

WARNING METHOD : AUDIO ALARM(BUZZER SOUND, RESETABLE), FALUT LED, TTL

DIMENSION : 170(D)×81.5(W)×40.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+48V	+3.3V	-5V	-12V	+5VSB
P1S-2300V	300W	X	6.25A	X	X	X	2.5A
P1S-2400V	400W	X	8.3A	X	X	X	2.5A
P1S-2500V	500W	X	10.4A	X	X	X	2.5A
P1S-2507V	500W	X	10.4A	X	X	X	2.5A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	480mV	X	X	X	50mV

P1S-2300V48
P1S-2400V48
P1S-2500V48
P1S-2507V48

INPUT CHARACTERISTICS:

VOLTAGE :

100 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

WATTAGE	115V	230V
300W	4.5A	2A
400W	5.5A	2.5A
500W	3.5A	2.5A

INRUSH CURRENT :

WATTAGE	115V	230V
300W	60A	80A
400W	60A	80A
500W	60A	80A

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,
 FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

SAFETY APPROVAL : UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 16MSEC

IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : >80% AT 115VAC, 40%~100% MAX LOAD

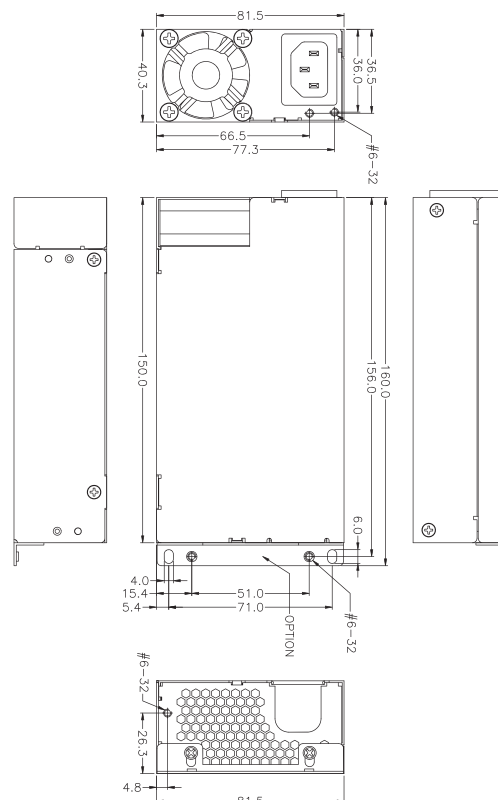
LEAKAGE CURRENT : 3.5MA. MAX. AT NOMINAL VOLTAGE 250VAC

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1Ms

OUTPUT PROTECTION : OPP / OVP / SCP

DIMENSION : 150(D)×81.5(W)×40.3(H) mm; P1S-2507V -- 170(D)×81.5(W)×40.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE
 OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH
 CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1P-5400V	400W	12A	32A	10A	X	0.5A	2.5A
P1P-5401V	400W	18A	32A	10A	X	0.5A	2.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	X	120mV	60mV

REMARKS : +5 AND +3.3V TOTAL OUTPUT MAX : 90W

P1P-5400V P1P-5401V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

6/3 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

30/60 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , OPERATING -20°C ~80°C

EFFICIENCY : TYPICAL 80-84% (5401V : 78~83%) AT 25°C 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1Ms

HOLD UP TIME : 12ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

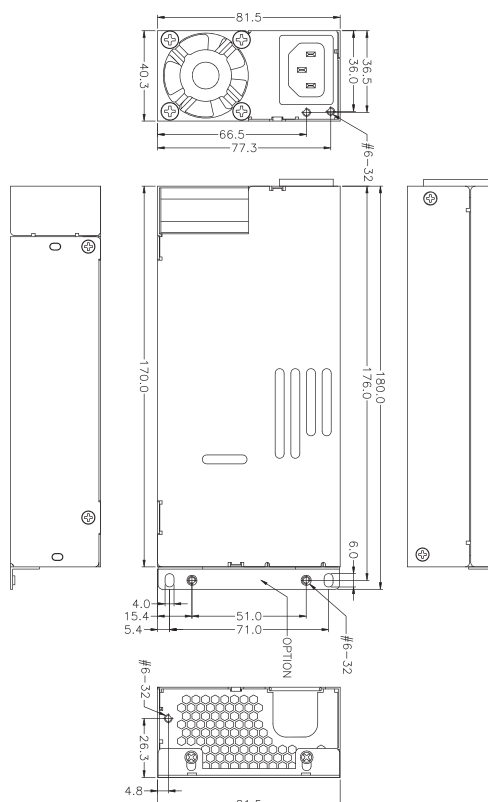
OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

3.3V & 5V REMOTE SENSING DESIGN

DIMENSION : 170(D)×81.5(W)×40.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT							
		+5V	+12V	+3.3V	-5V	-12V	+5VSB	+48V	+24V
P1E-6300V	300W	12A	16A	10A	X	0.3A	2A	3.2A	X
P1E-6301V	300W	12A	16A	10A	X	0.3A	2A	X	6A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%	±10%	±10%
RIPPLE AND NOISE		60mV	120mV	60mV	X	120mV	60mV	480mV	240mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 90W

+5V,+12V,-12V,+3.3V,+5VSB TOTAL OUTPUT MAX : 200W

P1E-6300V P1E-6301V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

4.5 / 2 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

60/100 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

EFFICIENCY : 80-82% TYPICAL AT 115V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

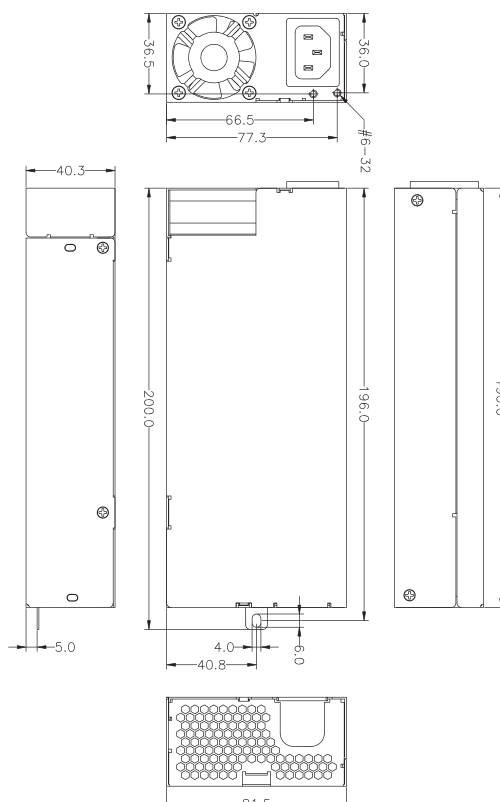
REMOTE SENSING DESIGN

DIMENSION : 190 (D) x 81.5 (W) x 40.3 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT						
		+5V	+12V1	+3.3V	-5V	-12V	+5VSB	+12V2
P1L-6400P	400W	35A	14A	28A	0.5A	0.8A	2.0A	14A
P1L-6460P	460W	35A	16A	28A	0.5A	0.8A	2.0A	16A
P1L-6480P	480W	35A	18A	28A	0.5A	0.8A	2.0A	18A
REGULATION LOAD		±5%	±3%	±5%	±10%	±10%	±5%	±3%
RIPPLE AND NOISE		60mV	120mV	50mV	150mV	150mV	50mV	120mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 50A

P1L-6400P P1L-6460P P1L-6480P

INPUT CHARACTERISTICS:

VOLTAGE :

95~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

WATTAGE	115V	230V
400W	8A	4A
460W	8A	4A
480W	9A	4.5A

INRUSH CURRENT :

65/125 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ; STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

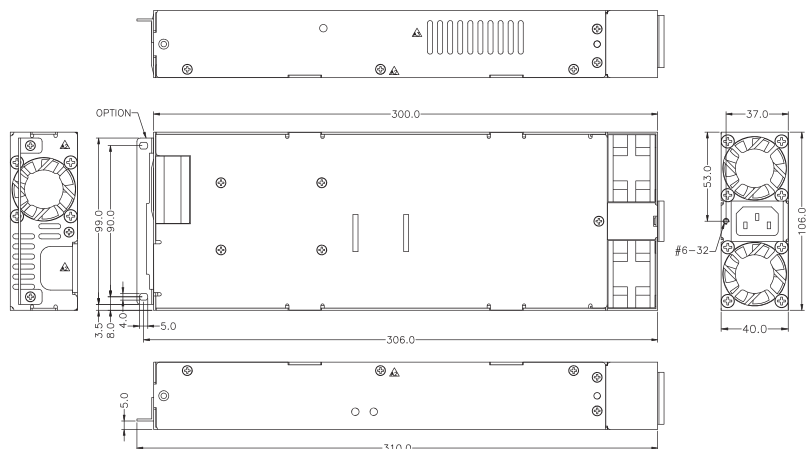
REMOTE ON/OFF CONTROL

I2C FEATURE IS OPTIONAL

3.3V / 5V REMOTE SENSING

DIMENSION : 300 (D) x 106 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
H1U-6150P	150W	16A	9A	10A	0.2A	0.5A	2A
H1U-6200P	200W	20A	12A	14A	0.2A	0.5A	2A
H1U-6250P	250W	23A	16A	14A	0.2A	0.5A	2A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		70mV	120mV	70mV	100mV	120mV	70mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 100W / 130W / 150W

H1U-6150P H1U-6200P H1U-6250P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

4/2 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

65/130 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST, BSMI

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

EFFICIENCY : 70% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

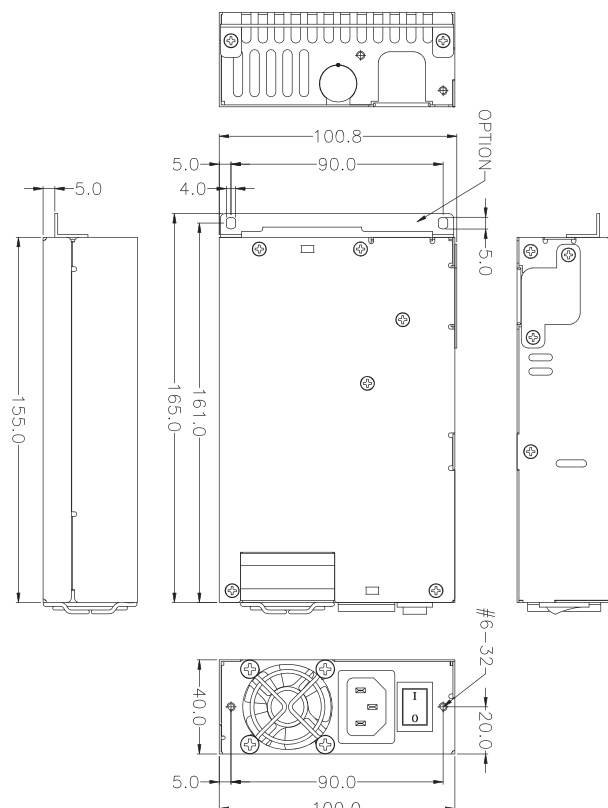
3.3V / 5V REMOTE SENSING

DIMENSION : 155 (D) x 100 (W) x 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V*	-12V	+5VSB
H1U-5300V	300W	18A	22A	16A	X	0.5A	2A
H1U-5320V	320W	18A	22A	16A	X	0.5A	2A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 25A

H1U-5300V H1U-5320V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

4/2 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

20/40 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

EFFICIENCY : TYPICAL 80-84% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

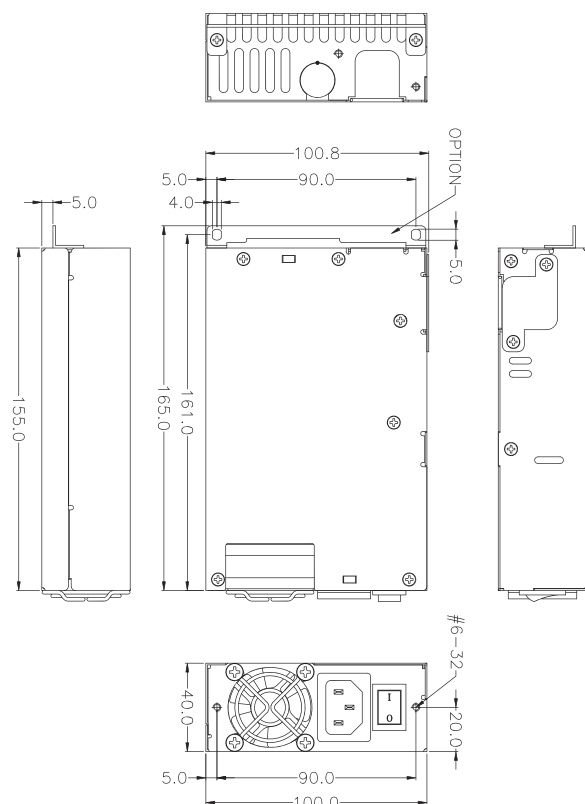
HOLD UP TIME : 16 ms MINIMUM AT 115AC INPUT; 20ms MINIMUM AT 230 AC INPUT

OUTPUT PROTECTION : OPP / OVP / SCP

3.3V REMOTE SENSING DESIGN

DIMENSION : 155 (D) x 100 (W) x 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
H1A-6400P	400W	25A	28A	20A	0.5A	0.5A	2A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	100mV	100mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 175W; +5V, +12V AND +3.3V TOTAL OUTPUT MAX : 384W



H1A-6400P

INPUT CHARACTERISTICS:

VOLTAGE :

90 - 264 VAC FULL RANGE

FREQUENCY :

47 - 63 Hz

INPUT CURRENT :

8 / 5 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

60/80 AMPS @110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

EFFICIENCY : 67% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms to 500 ms, OFF DELAY 1 ms

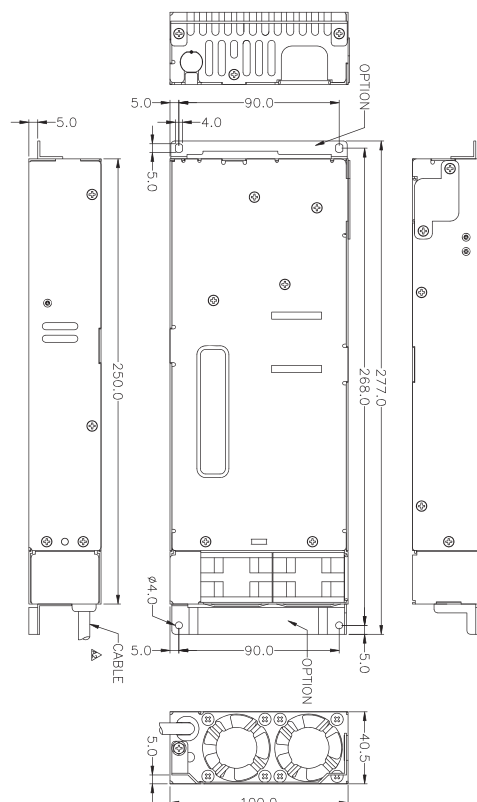
HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

OUTPUT PROTECTION : OPP / OVP / SCP

3.3V/5V REMOTE SENSING DESIGN

DIMENSION : 205(D) X 100(W) X 40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V*	-12V	+5VSB
P1A-6200P	200W	25A	8A	14A	0.5A	0.5A	1.5A
P1A-6250P	250W	24A	12A	20A	0.5A	0.5A	1.5A
REGULATION LOAD		±5%	±7%;±8%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		80mV	120mV	80mV	150mV	150mV	80mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 138W / 170W

P1A-6200P P1A-6250P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

6 / 3 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

6200P 60/80 AMPS @ 110/220VAC

6250P 50/70 AMPS @ 110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 6200P 0°C ~50°C ; 6250P 5°C ~50°C , STORAGE -20°C ~80°C

EFFICIENCY : 65% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

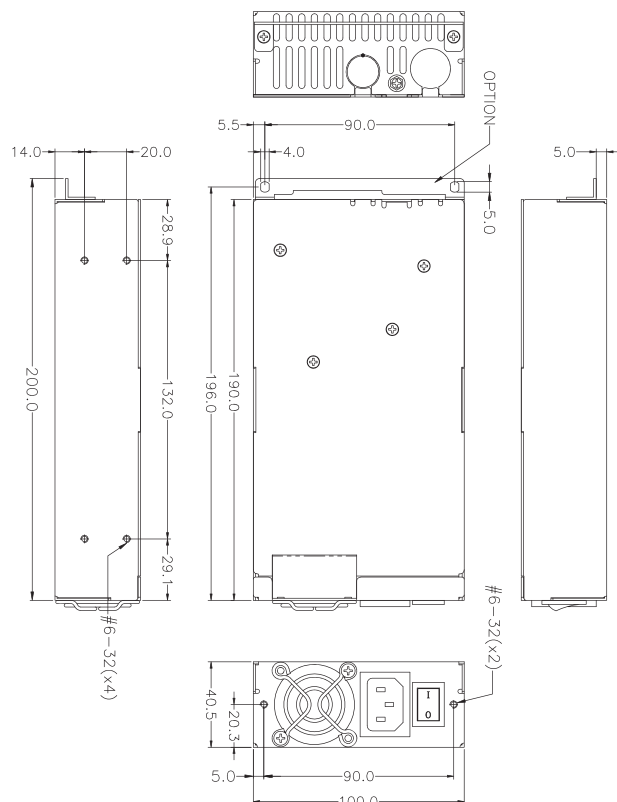
HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

3.3V / 5V REMOTE SENSING

DIMENSION : 190 (D) x 100 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V*	-12V	+5VSB
P1A-6300P	300W	24A	20A	20A	0.5A	0.5A	1.5A
REGULATION LOAD		±5%	±8%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		80mV	120mV	80mV	150mV	150mV	80mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 170W



P1A-6300P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

6 / 3 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

60/80 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST, BSMI

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

EFFICIENCY : 65% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

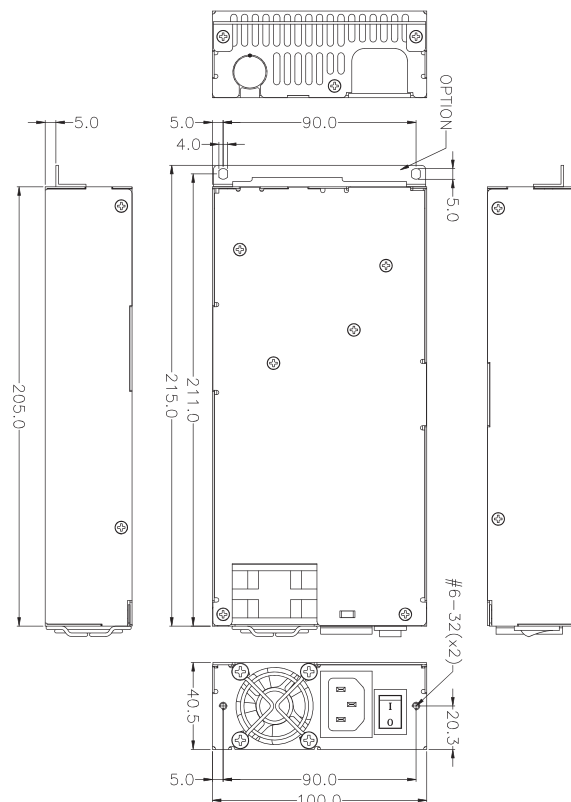
HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

3.3V / 5V REMOTE SENSING

DIMENSION : 205 (D) x 100 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1A-6201P	200W	24A	12A	20A	0.5A	0.5A	1.5A
P1A-6221P	220W	24A	12A	20A	0.5A	0.5A	1.5A
P1A-6301P	300W	24A	20A	20A	0.5A	0.5A	1.5A
REGULATION LOAD		±5%	±8%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		80mV	120mV	80mV	150mV	150mV	80mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 150W / 170W / 170W

P1A-6201P P1A-6221P P1A-6301P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

6 / 3 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

6201P/6221P 50/70A AMPS @ 115/230VAC

6301P 60/80 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : 6201P/6221P OPERATING 5°C ~50°C , STORAGE -20°C ~80°C

6301P OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

EFFICIENCY : 65% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

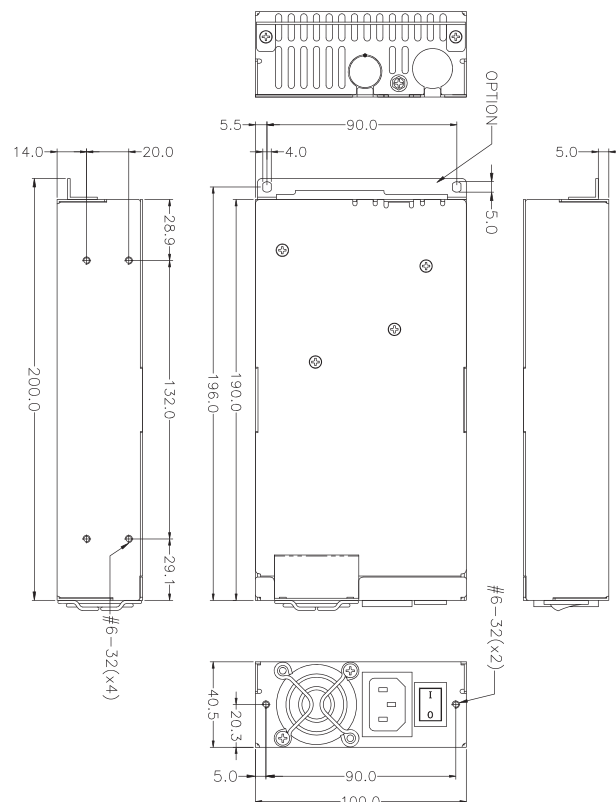
HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

3.3V / 5V REMOTE SENSING

DIMENSION : 190 (D) x 100 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1X-6200P	200W	23A	12A	14A	0.2A	0.5A	2A
P1X-6250P	250W	23A	16A	14A	0.2A	0.5A	2A
P1X-6300P	300W	23A	20A	14A	0.2A	0.5A	2A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		70mV	120mV	70mV	100mV	120mV	70mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 25A

P1X-6200P P1X-6250P P1X-6300P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

4/2 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

65/130 AMPS @ 110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16mS MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

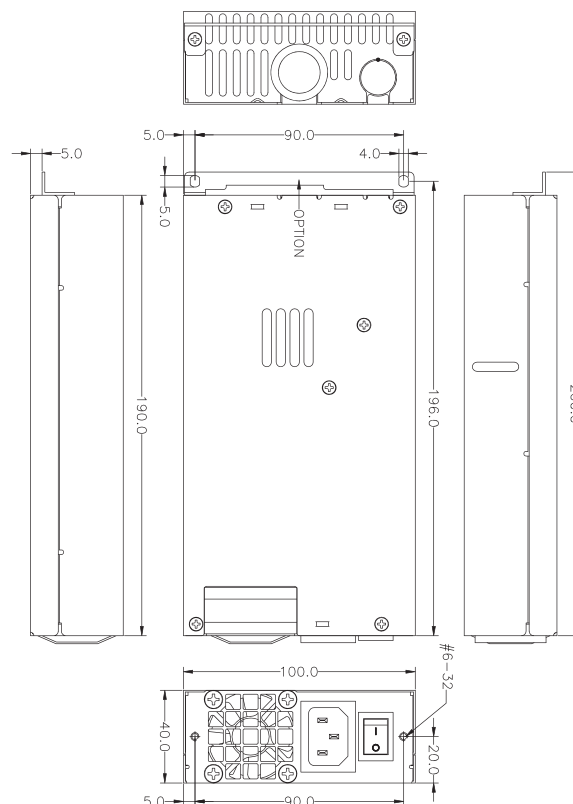
EFFICIENCY : 70% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

DIMENSION : 190 (D) x 100 (W) x 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT						
		+5V	+12V	+3.3V	-5V	-12V	+5VSB	+24V
PX1-5251P	250W	12A	9A	X	X	0.5A	2A	4A
REGULATION LOAD		±5%	±5%	X	X	±10%	±5%	±5%
RIPPLE AND NOISE		70mV	120mV	X	X	120mV	70mV	240mV



PX1-5251P

INPUT CHARACTERISTICS:

VOLTAGE :

90~264 VAC FULL RANGE.

FREQUENCY :

47~63 Hz.

INPUT CURRENT :

4/2 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

65/130 AMPS @ 110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

EFFICIENCY : 68% TYPICAL @ 115V FULL LOAD

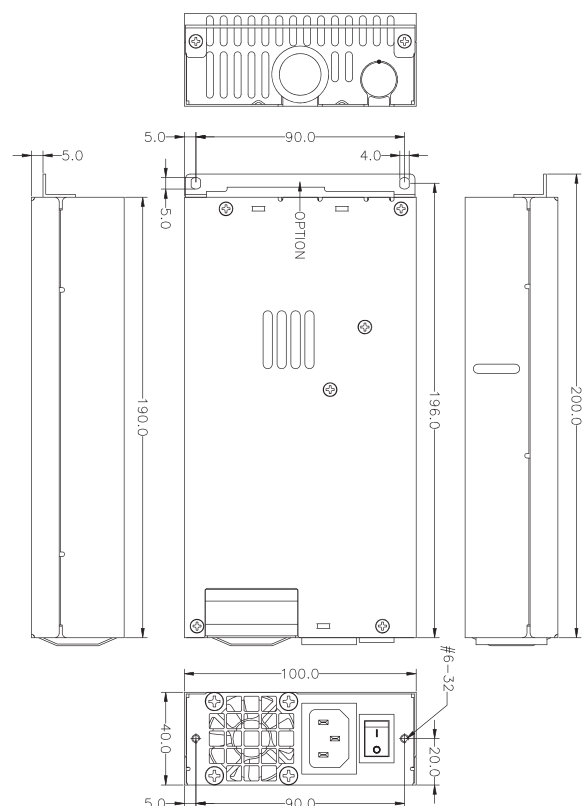
HOLD UP TIME : 16mS MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

DIMENSION : 190 (D) x 100 (W) x 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1U-6150P	150W	14A	6A	10A	0.5A	0.8A	1.5A
P1U-6180P	180W	16A	7A	14A	0.2A	0.7A	1.5A
P1U-6200P	200W	16A	9A	14A	0.2A	0.7A	1.5A
P1U-6207P	200W	16A	9A	14A	0.2A	0.7A	1.5A
REGULATION LOAD		±5%	±5%	±5%	±5%	±10%	±5%
RIPPLE AND NOISE		70mV	120mV	70mV	100mV	120mV	70mV

REMARKS : THE OUTPUT POWER OF 5V & 3.3V NOT EXCEED : 110 WATTS

P1U-6150P
P1U-6180P
P1U-6200P
P1U-6207P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

4/2A @ ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT:

65/130 AMPS @ 110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST, BSMI

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL @ 115V FULL LOAD

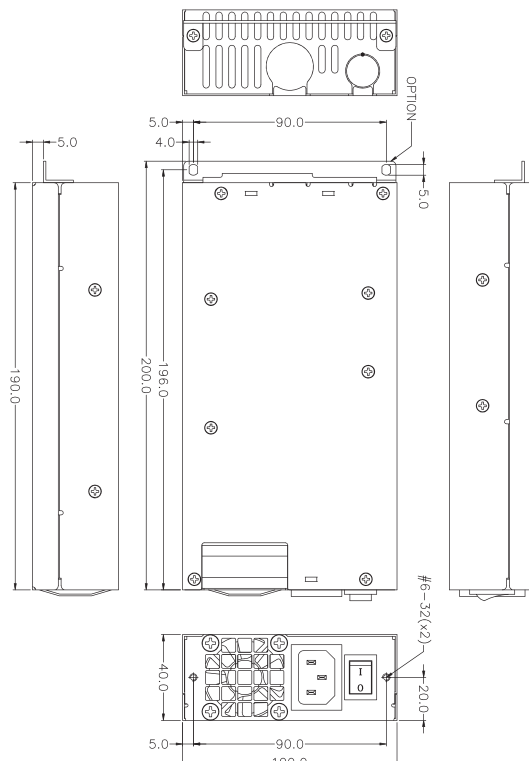
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

3.3V / 5V REMOTE SENSING

DIMENSION : 190 (D) x 100 (W) x 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V*	-12V	+5VSB
P1U-5150I	150W	10A	12A	10A	X	0.3A	2.5A
P1U-5200I	200W	14A	16A	12A	X	0.3A	2.5A
P1U-5300I	300W	18A	24A	17A	X	0.3A	2.5A
P1U-5400I	400W	18A	32A	16A	X	0.5A	2.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	50mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 50W

P1U-5150I
P1U-5200I
P1U-5300I
P1U-5400I

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

2/1 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

30/70 AMPS @110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

EFFICIENCY : 80%±2 TYPICAL AT 115V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 550 ms, OFF DELAY 1 ms

HOLD UP TIME : 20 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

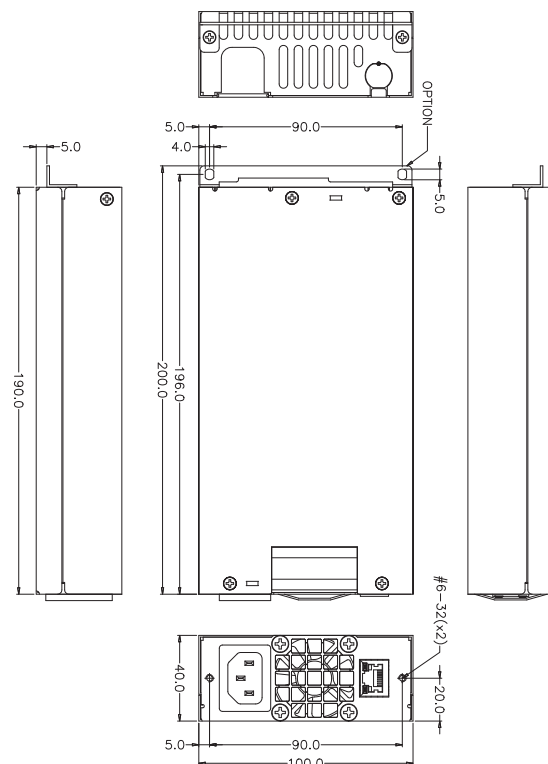
OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 264VAC

REMOTE ON/OFF CONTROL

DIMENSION : 190 (D) x 100 (W) x 40.3 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1G-6250P	250W	25A	12A	14A	0.5A	1A	1.5A
P1G-6300P	300W	25A	16A	14A	0.5A	1A	1.5A
P1G-6305P	300W	30A	16A	14A	0.5A	1A	1.5A
REGULATION LOAD		±5%	+8%/-9%	±5%	±10%	+10%/-12%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	120mV	150mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 138W / 138W / 180W



P1G-6250P P1G-6300P P1G-6305P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47~63 HZ

INPUT CURRENT :

6 / 3 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

60/80 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST, BSMI, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C

EFFICIENCY : 65% TYPICAL AT 115V

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

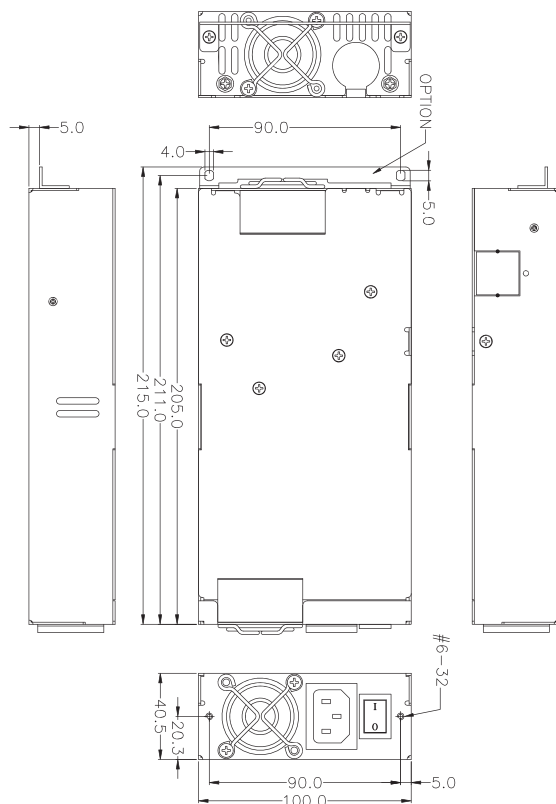
HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

OUTPUT PROTECTION : OPP / OVP / SCP

3.3V / 5V REMOTE SENSING

DIMENSION : 205 (D) x 100 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





P1H-6350P P1H-6400P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

WATTAGE	115V	230V
350W	8A	4A
400W	8A	5A

INRUSH CURRENT:

60/80 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1H-6350P	350W	25A	22-28A	20A	0.5A	0.5A	2A
P1H-6400P	400W	25A	28A	20A	0.5A	0.5A	2A
REGULATION LOAD		±5%	±6%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		80mV	120mV	80mV	150mV	150mV	80mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 175W

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C (400W 0°C ~40°C), STORAGE -20°C ~80°C

EFFICIENCY : TYPICAL 65% AT 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

HOLD UP TIME : 16 ms MINIMUM AT 115AC INPUT; 20ms MINIMUM AT 230 AC INPUT

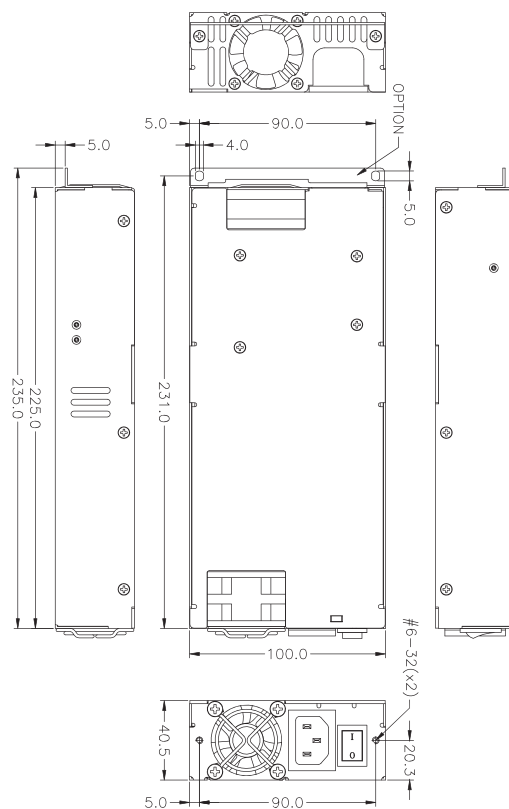
OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

3.3V / 5V REMOTE SENSING

DIMENSION : 225 (D) x 100 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1H-5400V	400W	22A	32A	22A	X	0.8A	3.5A
P1H-5500V	500W	25A	40A	25A	X	0.8A	3.5A
P1H-5550V	550W	25A	40A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	X	120mV	60mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 35A

P1H-5400V P1H-5500V P1H-5550V

INPUT CHARACTERISTICS:

VOLTAGE :

90 - 264 VAC FULL RANGE

FREQUENCY :

47 - 63 Hz

INPUT CURRENT :

10/5 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

40/60 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 16ms

IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : 80% TYPICAL @ 115V FULL LOAD

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

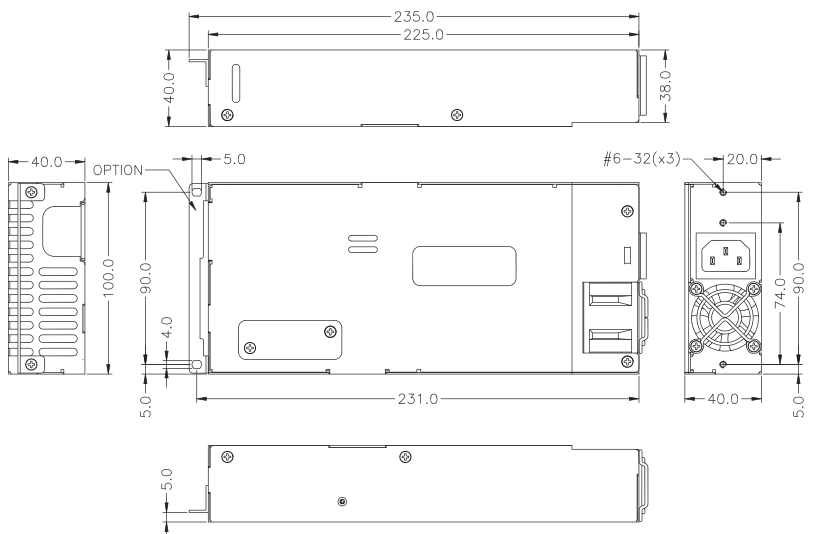
OUTPUT PROTECTION : OPP / OVP / SCP / OCP

DIMENSION : 225(D)×100(W)×40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1H-5407V	400W	22A	32A	22A	X	0.8A	3.5A
P1H-5501V	500W	25A	40A	25A	X	0.8A	4A
P1H-5551V	550W	25A	40A	25A	X	0.8A	4A
P1H-5507V	500W	25A	40A	25A	X	0.8A	3.5A
P1H-5557V	550W	25A	40A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	X	120mV	60mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 35A

P1H-5407V
P1H-5501V
P1H-5551V
P1H-5507V
P1H-5557V

INPUT CHARACTERISTICS:

VOLTAGE :

90 - 264 VAC FULL RANGE

FREQUENCY :

47 - 63 Hz

INPUT CURRENT :

WATTAGE	115V	230V
400W	10A	5A
500W	10A	5A
550W	8A	4A

INRUSH CURRENT:

20/40 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,
 FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EMS EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5

SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16mS MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

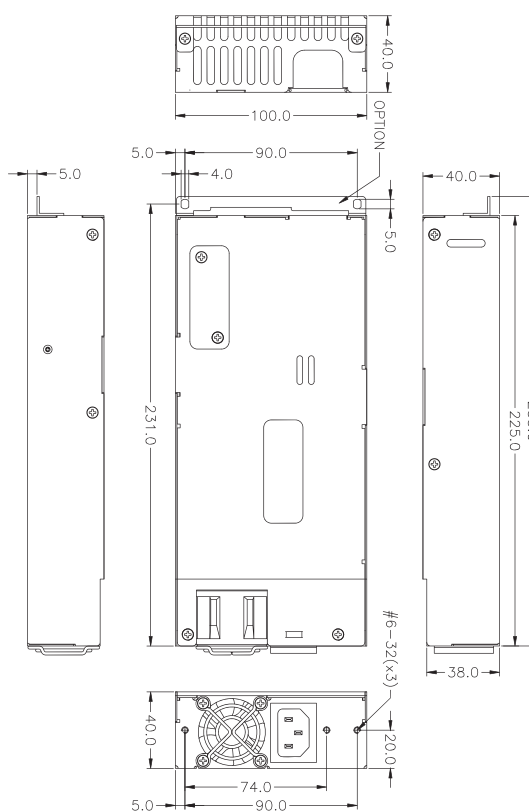
EFFICIENCY : TYPICAL >80% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 225(D)×100(W)×40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1H-5420G	420W	12A	32A	12A	X	0.5A	3A
P1H-5500G	500W	18A	40A	18A	X	0.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS: THE OUTPUT CURRENT OF +5V AND +3.3V NOT EXCEED 90W / 100W

P1H-5420G P1H-5500G

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

5.5/2.5A AT ANY LOW/HIGH RANGE INPUT VOLTAGE (420W)

7/3A AT ANY LOW/HIGH RANGE INPUT VOLTAGE (500W)

INRUSH CURRENT:

50/100 AMPS @ 115/230VAC (420W)

40/60 AMPS @ 115/230VAC (500W)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,
FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022), , CLASS B

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 16MSEC

IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : >87% TYPICAL @ 115V FULL LOAD

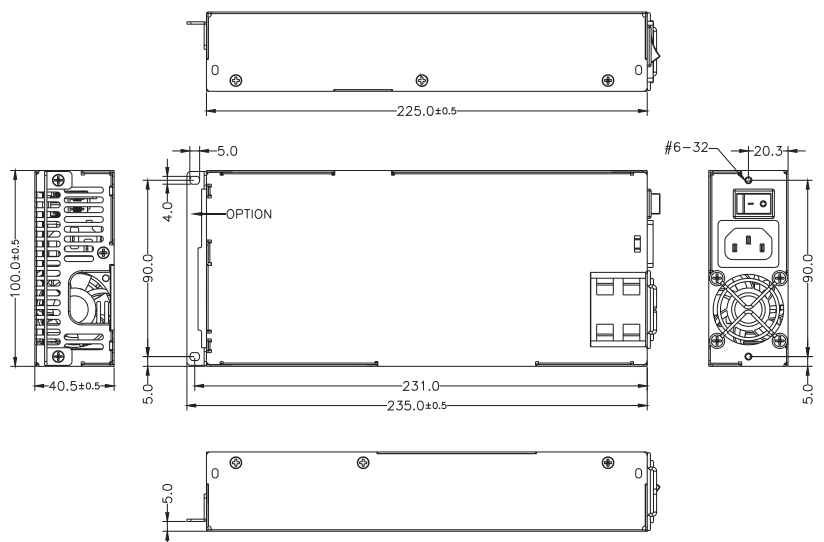
LEAKAGE CURRENT: 3.5MA. MAX. AT NOMINAL VOLTAGE 250VAC

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1Ms

OUTPUT PROTECTION: OPP / OVP / SCP / OCP

DIMENSION : 225(D)×100(W)×40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE
OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH
CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1H-5420E	420W	12A	32A	12A	X	0.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS: THE OUTPUT CURRENT OF +5V AND +3.3V NOT EXCEED 90W; TOTAL POWER MAX 420W



P1H-5420E

EuPready

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

6/3 AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT:

50/100 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022), CLASS B

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 16MSEC

IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : >87% TYPICAL @ 115V FULL LOAD

5VSB EFFICIENCY: 5VSB EFFICIENCY IS MEASURED WITH THE MAIN OUTPUTS OFF (REMOTE OFF) @ 115/230VAC

LOAD	EFFICIENCY
90mA	≥ 50%
250mA	≥ 60%
≥ 1A	≥ 70%

LEAKAGE CURRENT: 3.5MA. MAX. AT NOMINAL VOLTAGE 240VAC

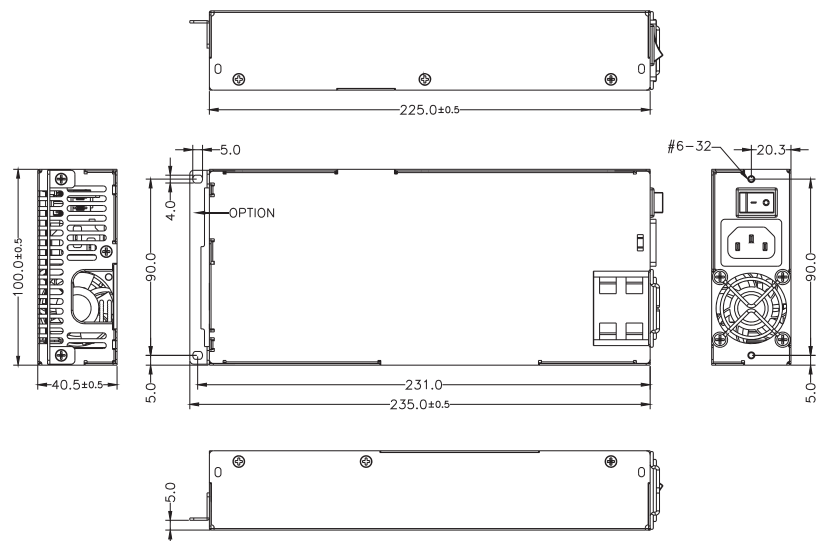
POWER GOOD SIGNAL : ON DELAY 100mS TO 500mS · OFF DELAY 1Ms

REMOTE ON/OFF CONTROL

OUTPUT PROTECTION: OPP / OVP / SCP / OCP

DIMENSION : 225(D)×100(W)×40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
H1H-6500P	500W	25A	40A	20A	0.5A	0.5A	2A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	100mV	100mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 175W; +5V, +12V AND +3.3V TOTAL OUTPUT MAX : 484W, PEAK : 500W



H1H-6500P

INPUT CHARACTERISTICS:

VOLTAGE :

90 - 264 VAC FULL RANGE

FREQUENCY :

47 - 63 Hz

INPUT CURRENT :

10/6 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

60/80 AMPS @ 110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST, BSMI, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

EFFICIENCY : 67% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

HOLD UP TIME : 16ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

OUTPUT PROTECTION : OPP / OVP / SCP

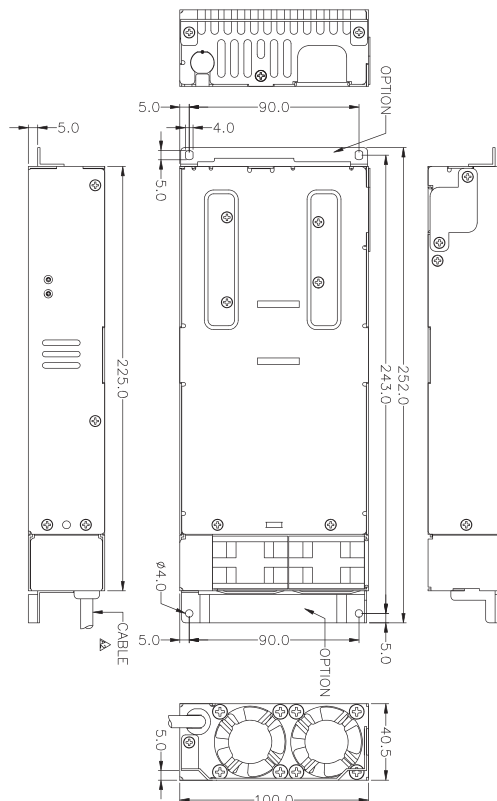
3.3V/5V REMOTE SENSING DESIGN

DIMENSION : 225(D) X 100(W) X 40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
H1H-6507P	500W	25A	40A	20A	0.5A	0.5A	2A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	100mV	100mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 175W; +5V, +12V AND +3.3V TOTAL OUTPUT MAX : 484W, PEAK : 500W

H1H-6507P

INPUT CHARACTERISTICS:

VOLTAGE :

90 - 264 VAC FULL RANGE

FREQUENCY :

47 - 63 Hz

INPUT CURRENT :

10/6 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

60/80 AMPS @ 110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST, BSMI

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

EFFICIENCY : 67% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

HOLD UP TIME : 16ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

OUTPUT PROTECTION : OPP / OVP / SCP

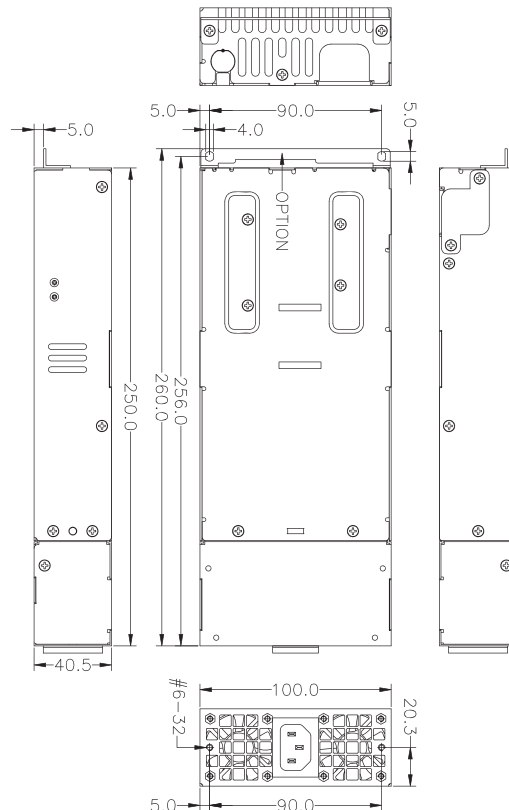
3.3V/5V REMOTE SENSING DESIGN

DIMENSION : 250(D) × 100(W) × 40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V*	-12V	+5VSB
V1E-5250V	250W	15A	18A	10A	X	1A	2A
V1E-5300V	300W	20A	20A	20A	X	1A	2A
V1E-5350V	350W	20A	25A	20A	X	1A	2A
REGULATION LOAD		±5%	±5%	±5%	X	+13%/-7%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 80W / 130W / 130W

V1E-5250V V1E-5300V V1E-5350V

INPUT CHARACTERISTICS:

VOLTAGE :

90 - 264 VAC FULL RANGE

FREQUENCY :

47 - 63 Hz

INPUT CURRENT :

WATTAGE	115V	230V
250W	4A	2A
300W	6A	3A
350W	6A	3A

INRUSH CURRENT:

15/30 AMPS @115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C ; STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT 115AC INPUT; 24ms MINIMUM AT 230 AC INPUT

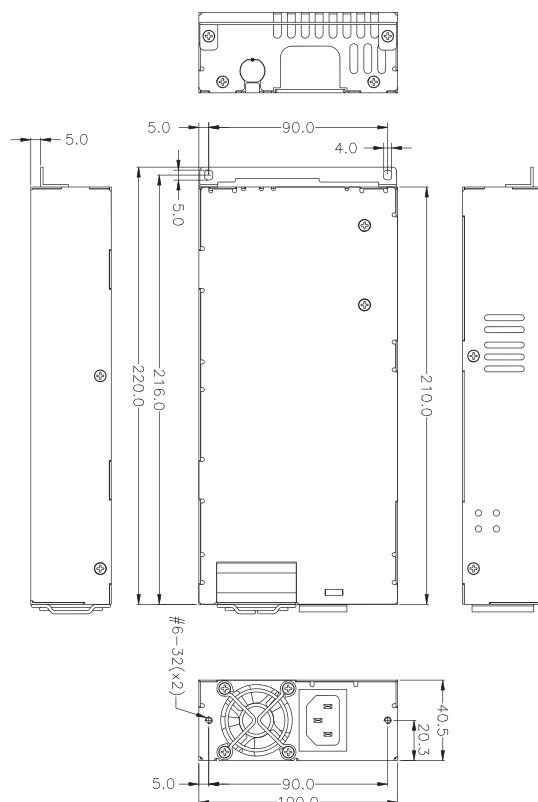
EFFICIENCY : 81-84% AT 100V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 110 ms TO 550 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

DIMENSION : 210 (D) x 100 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
H1M-6550P	550W	30A	44A	24A	0.5A	0.5A	4A
H1M-6600P	600W	30A	48A	24A	0.5A	0.5A	4A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	100mV	100mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 180W; +5V, +12V AND +3.3V TOTAL OUTPUT MAX : 530W / 580W, PEAK : 550W / 600W



H1M-6550P
H1M-6600P

INPUT CHARACTERISTICS:

VOLTAGE :

90 - 264 VAC FULL RANGE

FREQUENCY :

47 - 63 Hz

INPUT CURRENT :

11/7 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

90/130 AMPS@115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

EFFICIENCY : 70% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1ms

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

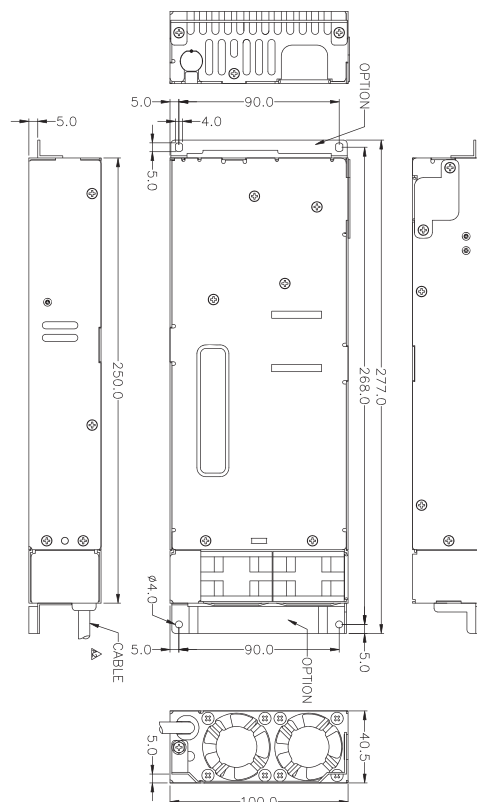
OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

FAN SPEED CONTROL

DIMENSION : 250(D) X 100(W) X 40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
H1M-6557P	550W	30A	44A	24A	0.5A	0.5A	4A
H1M-6607P	600W	30A	48A	24A	0.5A	0.5A	4A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	100mV	100mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 180W; +5V, +12V AND +3.3V TOTAL

OUTPUT MAX : 530W / 580W, PEAK : 550W / 600W

H1M-6557P H1M-6607P

INPUT CHARACTERISTICS:

VOLTAGE :

90 - 264 VAC FULL RANGE

FREQUENCY :

47 - 63 Hz

INPUT CURRENT :

11/7 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

90/130 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

EFFICIENCY : 70% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1ms

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

OUTPUT PROTECTION : OPP / OVP / SCP

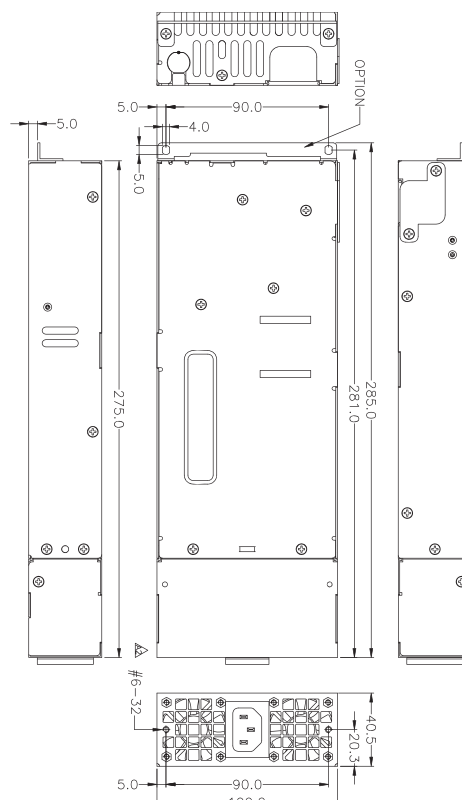
REMOTE ON/OFF CONTROL

DIMENSION : 275(D) X 100(W) X 40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
H1M-5600V	600W	25A	48A	25A	X	0.8A	3.5A
H1M-5700V	700W	25A	48A	25A	X	0.8A	3.5A
H1M-5800V	800W	25A	57A	2.5A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	X	120mV	60mV

REMARKS : THE OUTPUT CURRENT OF +5V AND +3.3V NOT EXCEED : 40A

H1M-5600V H1M-5700V H1M-5800V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

WATTAGE	115V	230V
600W	10A	5A
700W	10A	5A
800W	12A	6A

INRUSH CURRENT:

40/60 AMPS@115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

EFFICIENCY : TYPICAL >80% @ 115V FULL LOAD

PFC CAN REACH THE TARGET OF 95% AT 115V/230VAC, FULL LOAD

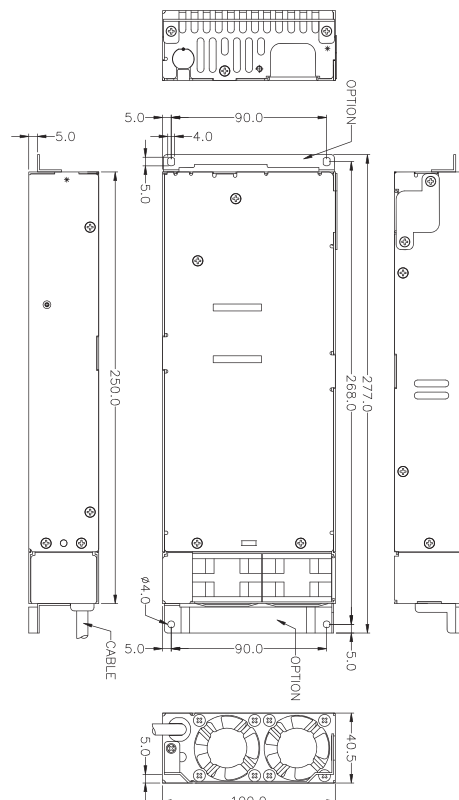
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

HOLD UP TIME : 16 ms MINIMUM AT 115AC INPUT; 20ms MINIMUM AT 230 AC INPUT

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 250 (D) x 100 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
H1M-5607V	600W	25A	48A	25A	X	0.8A	3.5A
H1M-5707V	700W	25A	48A	25A	X	0.8A	3.5A
H1M-5807V	800W	25A	57A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	X	120mV	60mV

REMARKS : THE OUTPUT CURRENT OF +5V AND +3.3V NOT EXCEED : 40A

H1M-5607V H1M-5707V H1M-5807V

INPUT CHARACTERISTICS:

VOLTAGE :

90 - 264 VAC FULL RANGE

FREQUENCY :

47 - 63 Hz

INPUT CURRENT :

WATTAGE	115V	230V
600W	10A	5A
700W	10A	5A
800W	12A	6A

INRUSH CURRENT:

40/ 60 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

EFFICIENCY : TYPICAL >80% @ 115V FULL LOAD

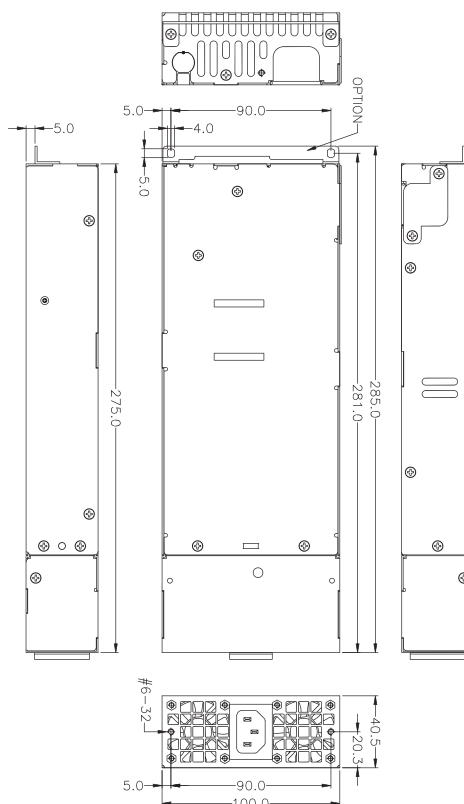
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

HOLD UP TIME : 16 ms MINIMUM AT 115AC INPUT; 20ms MINIMUM AT 230 AC INPUT

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 275 (D) x 100 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1M-6350P	350W	35A	22A	25A	0.5A	0.8A	2.0A
P1M-6400P	400W	35A	24A	25A	0.5A	0.8A	2.0A
P1M-6420P	420W	35A	30A	25A	0.5A	0.8A	2.0A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	50mV

REMARKS : THE OUTPUT CURRENT OF +5V AND +3.3V NOT EXCEED : 40A P1M-6350P
 45A P1M-6400P
 45A P1M-6420P

P1M-6350P
 P1M-6400P
 P1M-6420P

INPUT CHARACTERISTICS:

VOLTAGE :

90 - 264 VAC FULL RANGE

FREQUENCY :

47 - 63 Hz

INPUT CURRENT :

WATTAGE	115V	230V
350W	7A	3.5A
400W	8A	4A
420W	8A	4A

INRUSH CURRENT:

60/80 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ; STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL @ 115V FULL LOAD

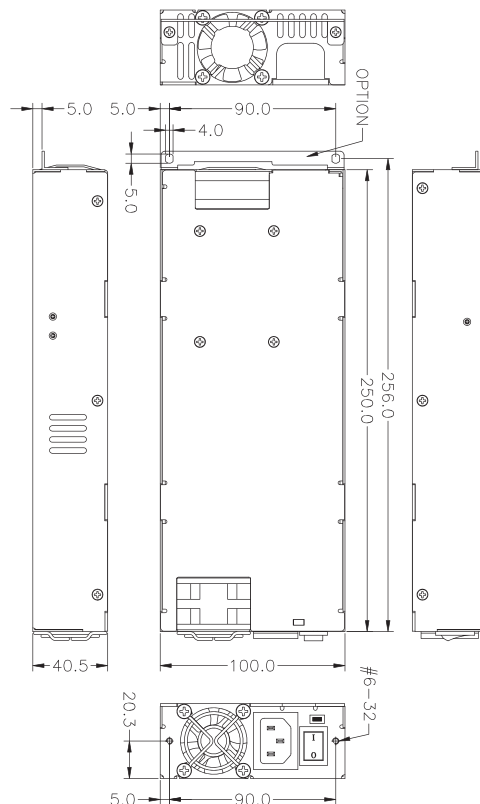
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

3.3V / 5V REMOTE SENSING

DIMENSION : 250 (D) x 100 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1N-6250P	250W	24A	16A	20A	0.5A	0.8A	2.0A
P1N-6300P	300W	24A	20A	20A	0.5A	0.8A	2.0A
REGULATION LOAD		±5%	±5%	±5%	±10%	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 30A



P1N-6250P
P1N-6300P

INPUT CHARACTERISTICS:

VOLTAGE :

90 - 264 VAC FULL RANGE

FREQUENCY :

47 - 63 Hz

INPUT CURRENT :

6 / 3 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

90/140 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ; STORAGE -20°C ~80°C

HOLD UP TIME : 16mS MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

EFFICIENCY : 70% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

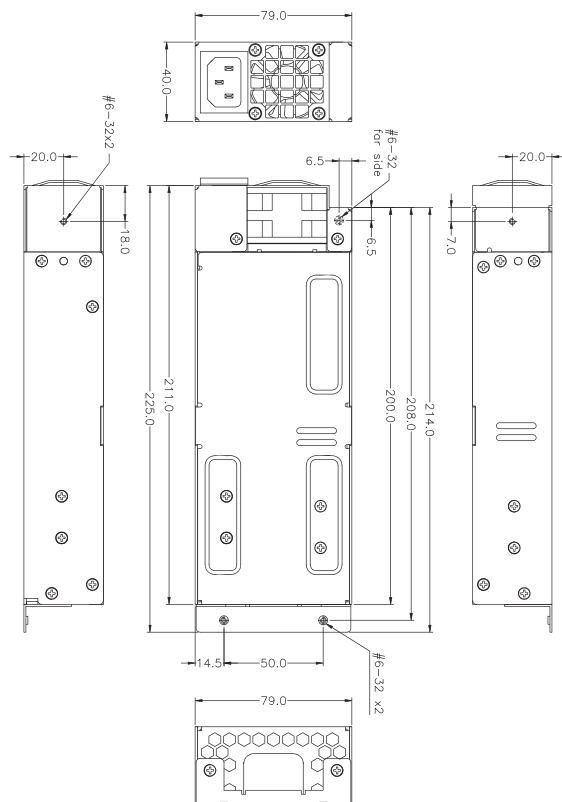
3.3V / 5V REMOTE SENSING

DIMENSION : 208 (D) x 79 (W) x 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V1 +5V2	+12V1 +12V2	+3.3V1 +3.3V2	-5V	-12V1 -12V2	+5VSB1 +5VSB2
P1D-5400V	400W	20A	30A	20A	X	0.8A	3.5A
P1D-5600V	600W	25A	45A	25A	X	0.8A	3.5A
P1D-5700V	700W	25A	50A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	50mV	50mV

REMARKS : TOTAL OUTPUT POWER OF V1 AND V2 NOT EXCEED 400W / 600W / 700W
THE OUTPUT CURRENT OF 5V AND 3.3V NOT EXCEED 40A

P1D-5400V P1D-5600V P1D-5700V

INPUT CHARACTERISTICS:

VOLTAGE :

90 - 264 VAC FULL RANGE

FREQUENCY :

47 - 63 Hz

INPUT CURRENT :

WATTAGE	115V	230V
400W	6A	3A
600W	10A	5A
700W	10A	5A

INRUSH CURRENT:

30/60 AMPS @115/230VAC

POWER FACTOR CORRECTION :

IPOWER FACTOR CORRECTION : PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C

EFFICIENCY : TYPICAL 80-83% AT 25°C 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

HOLD UP TIME : 16ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

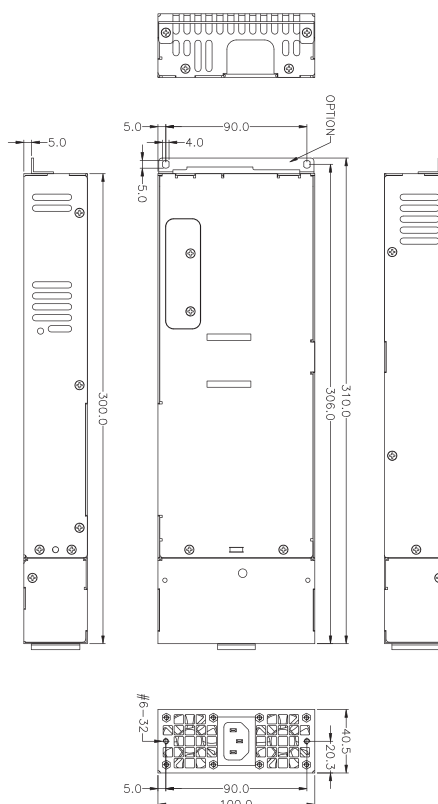
OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

3.3V & 5V REMOTE SENSING

DIMENSION : 300mm(D)×100mm(W)×40.5mm(H)

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V1	+12V1	+3.3V	-5V	-12V	+5VSB1
		+5V2	+12V2				+5VSB2
P1D-3940V	940W	25A	70A	X	X	X	2.5A
REGULATION LOAD		±5%	±5%	X	X	X	±5%
RIPPLE AND NOISE		50mV	120mV	X	X	X	50mV

REMARKS : TOTAL CURRENT OF V1 AND V2 NOT EXCEED EACH MAX LOAD (For example :
 +12V1 & +12V2 NOT EXCEED 70A)
 TOTAL OUTPUT POWER OF V1 AND V2 NOT EXCEED 940W

P1D-3940V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

15/7.5 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

30/60 AMPS @115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 230V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C

EFFICIENCY : TYPICAL 80% AT 25°C 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1Ms

HOLD UP TIME : 16ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

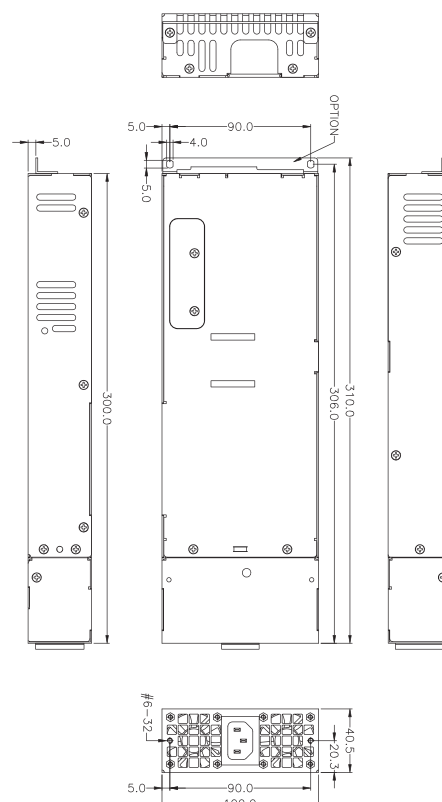
OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

REMOTE SENSING

DIMENSION : 300(D)×100(W)×40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1U-2750V(D)	750W	X	62A	X	X	X	3.0A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 750W

M1U-2750V(D)

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

12/6 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

15/30 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C · STORAGE -20°C ~80°C

HOLD UP TIME : 11ms MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

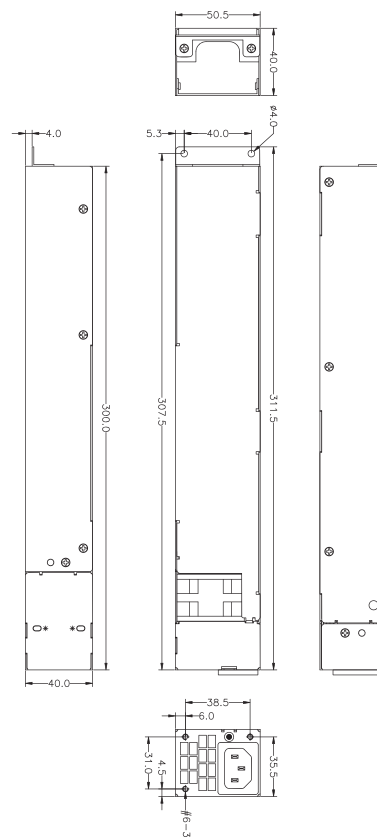
EFFICIENCY : TYPICAL 85% AT 115V; TYPICAL 88% AT 230V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 300(D) X 50.5(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
Y1U-5650V	650W	25A	48A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	X	120mV	60mV

REMARKS : THE OUTPUT POWER OF 5V & 3.3V NOT EXCEED : 170W

Y1U-5650V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

10/5 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

40/60 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16mS MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

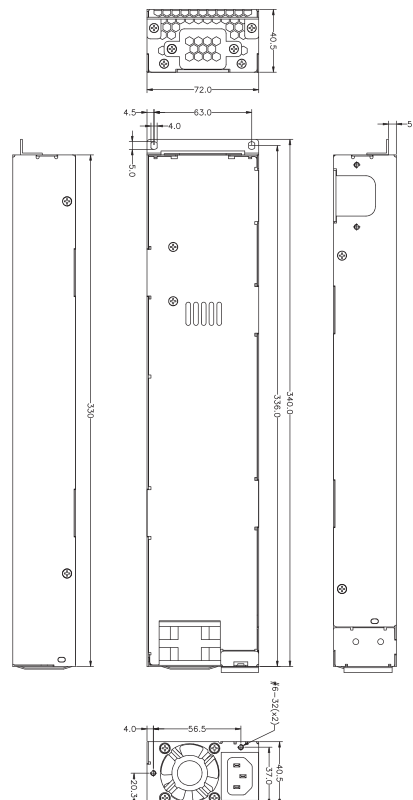
EFFICIENCY : >80% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 330(D) x 72(W) x 40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
H1W-5AD0V	1200W	35A	100A	31A	X	0.5A	4A
	1400W	35A	116A	31A	X	0.5A	4A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS :

1. TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 210W.
2. TOTAL OUTPUT POWER NOT EXCEED 1400W for 180~264VAC.
3. TOTAL OUTPUT POWER NOT EXCEED 1200W for 103~132VAC.

H1W-5AD0V

INPUT CHARACTERISTICS:

VOLTAGE :

115 - 240 VAC FULL RANGE

FREQUENCY :

47 - 63 Hz

INPUT CURRENT :

15/10 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

15/30 AMPS @ 110/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

EFFICIENCY:90% TYPICAL @ 230V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

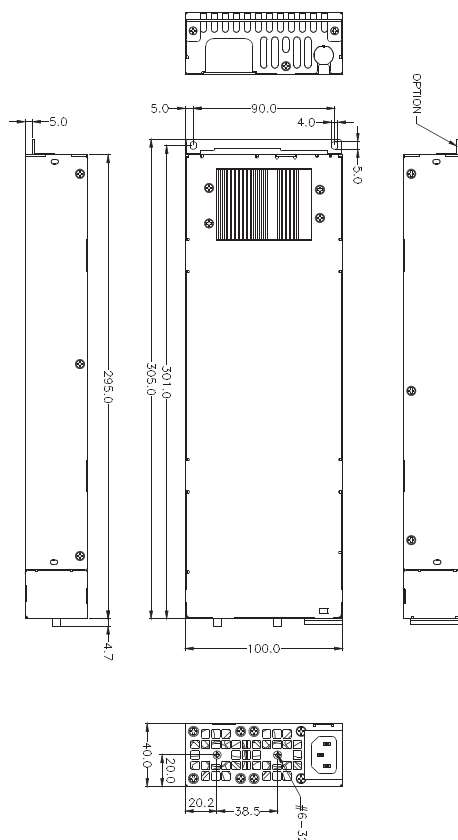
HOLD UP TIME : 17ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

OUTPUT PROTECTION : OPP / OVP / SCP

3.3V/5V REMOTE SENSING

DIMENSION : 295(D) × 100(W) × 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P2U-6300P	300W	35A	16A	20A	0.5A	1.0A	2.0A
P2U-6320P	320W	35A	16A	20A	0.5A	1.0A	2.0A
REGULATION LOAD		±5%	±8%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		80mV	120mV	70mV	120mV	150mV	60mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 35A

P2U-6300P P2U-6320P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

6 / 3 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

60/80 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE-20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

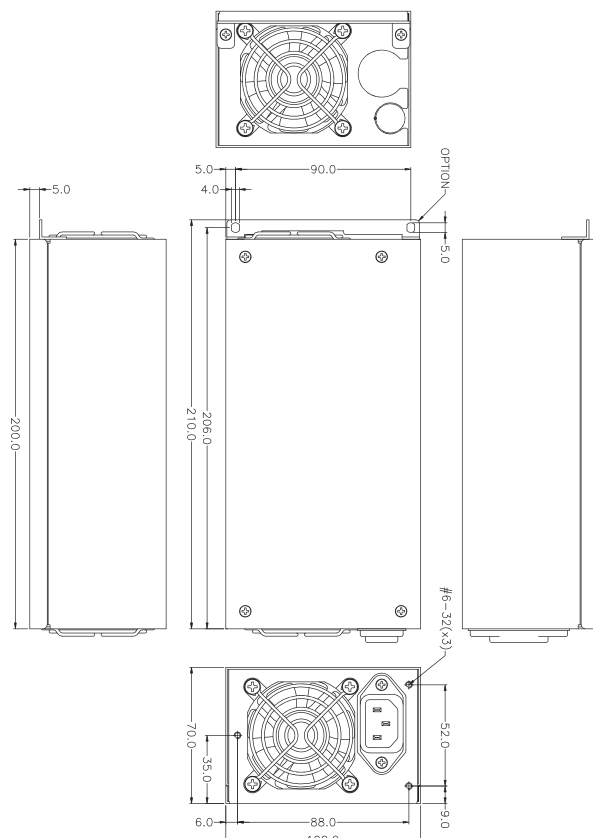
REMOTE SENSING DESIGN

DIMENSION : 200 (D) x 100 (W) x 70 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
V2H-5350V	350W	20A	25A	20A	X	0.7A	2.0A
V2H-5400V	400W	20A	30A	20A	X	0.7A	2.0A
V2H-5435V	435W	20A	32A	20A	X	0.7A	2.0A
REGULATION LOAD		±5%	±5%	±5%	X	+13/-7%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 130W

V2H-5350V V2H-5400V V2H-5435V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

WATTAGE	115V	230V
350W	6A	3A
400W	7A	3A
435W	7A	3A

INRUSH CURRENT:

15/30 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME:16ms MINIMUM AT TYPICAL LOAD

EFFICIENCY : 80-84% TYPICAL @ FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1ms

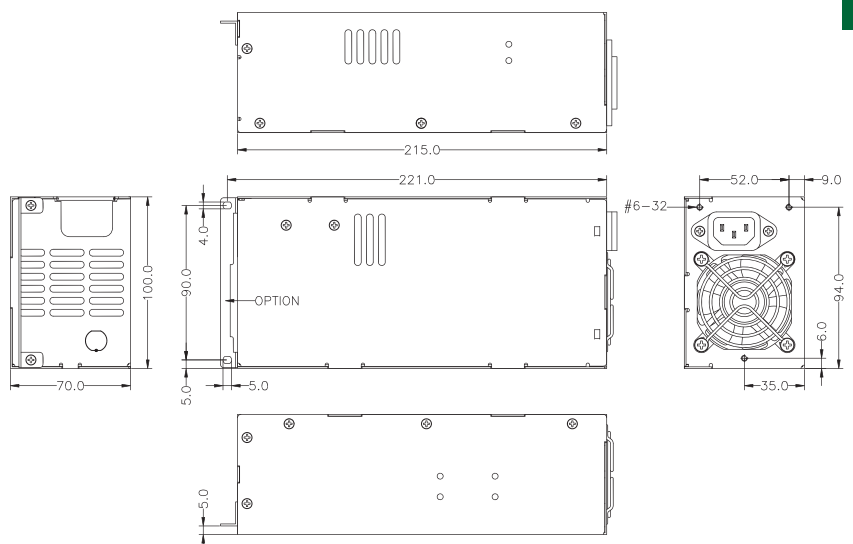
OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

3.3V / 5V REMOTE SENSING (Option)

DIMENSION : 215(D)×100(W)×70(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P2H-6350P	350W	25A	28A	20A	0.5A	0.5A	2A
P2H-6400P	400W	25A	28A	20A	0.5A	0.5A	2A
REGULATION LOAD		±5%	±6%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		80mV	120mV	80mV	150mV	150mV	80mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 175A

P2H-6350P P2H-6400P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

WATTAGE	115V	230V
350W	8A	4A
400W	8A	5A

INRUSH CURRENT:

60/80 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

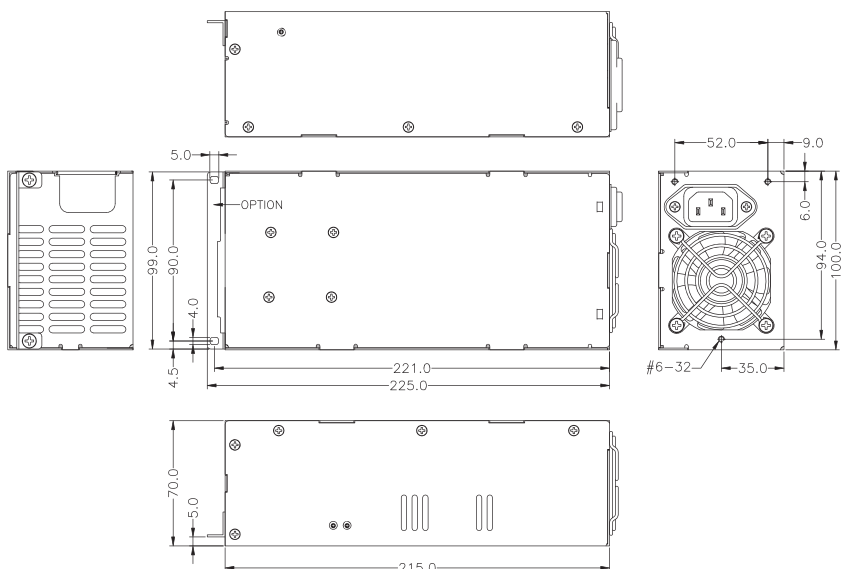
OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE VAC

DIMENSION : 215 (D) x 100 (W) x 70 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P2H-5400V	400W	22A	32A	22A	X	0.8A	3.5A
P2H-5500V	500W	25A	40A	25A	X	0.8A	3.5A
P2H-5501V	500W	40A	40A	40A	X	3A	3.5A
P2H-5550V	550W	25A	40A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	X	120mV	60mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 35A

P2H-5400V
P2H-5500V
P2H-5501V
P2H-5550V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

10/5 AMPS AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT:

40/60 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME:16mS MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

EFFICIENCY : 80% TYPICAL @ FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

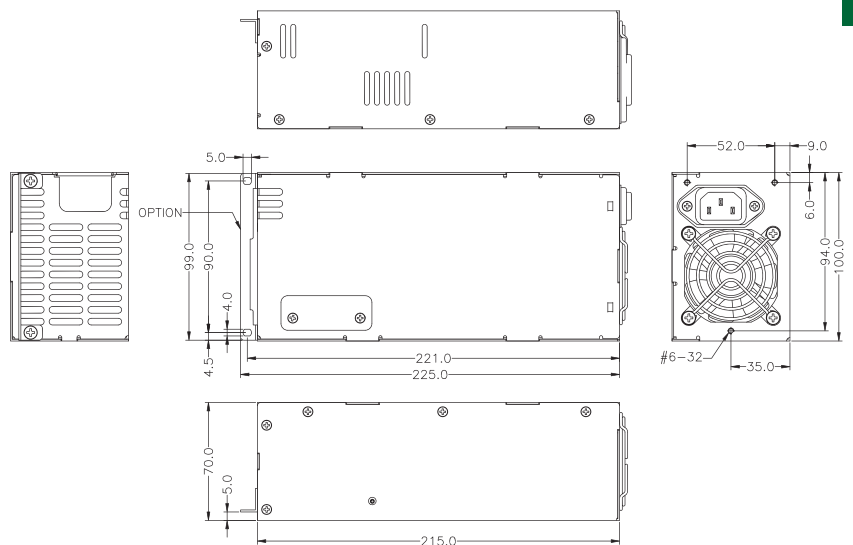
OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

3.3V & 5V REMOTE SENSING DESIGN

DIMENSION : 215 (D) X 100 (W) X 70(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P2W-6600P	600W	40A	34A	30A	0.8A	1.0A	2.0A
P2W-6650P	650W	40A	34A	30A	0.8A	1.0A	2.0A
P2W-6700P	700W	40A	40A	30A	0.8A	1.0A	2.0A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	100mV	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 266W

P2W-6600P P2W-6650P P2W-6700P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

WATTAGE	115V	230V
600W	10A	5A
650W	11A	5A
700W	11.5A	5.5A

INRUSH CURRENT:

60/80AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 70% TYPICAL @ FULL LOAD

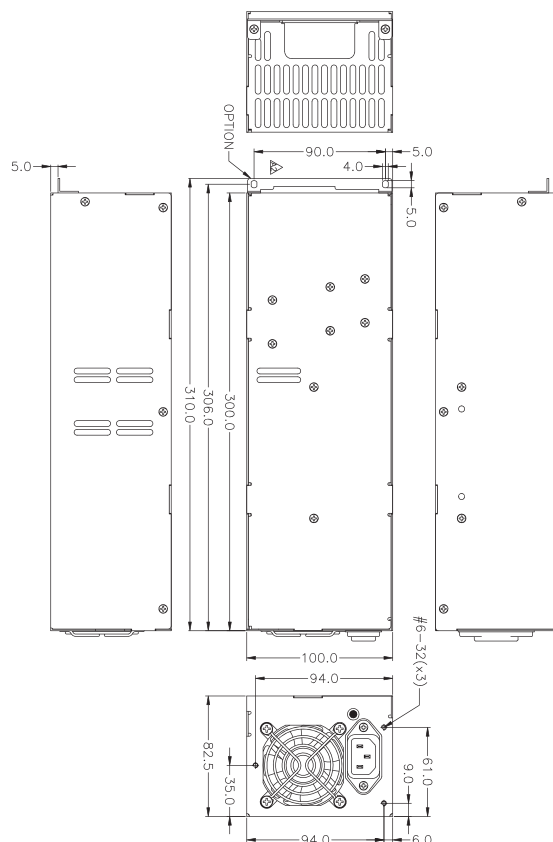
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

3.3V REMOTE SENSING DESIGN

DIMENSION : 300 (D) x 100 (W) x 82.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P2G-6400P	400W	33A	25A	28A	0.8A	1.0A	2A
P2G-6435P	435W	33A	25A	28A	0.8A	1.0A	2A
P2G-6460P	460W	33A	27A	28A	0.8A	1.0A	2A
P2G-6510P	510W	33A	32A	28A	0.8A	1.0A	2A
P2G-6510PE	510W	33A	36A	28A	0.8A	1.0A	2A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		60mV	100mV	50mV	120mV	150mV	60mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 45A

P2G-6400P
P2G-6435P
P2G-6460P
P2G-6510P
P2G-6510PE

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

WATTAGE	115V	230V
400W	7A	2.5A
435W	7.5A	2.5A
460W	8A	4A
510W	8A	4A

INRUSH CURRENT:

55/110 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 71% TYPICAL AT 115V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

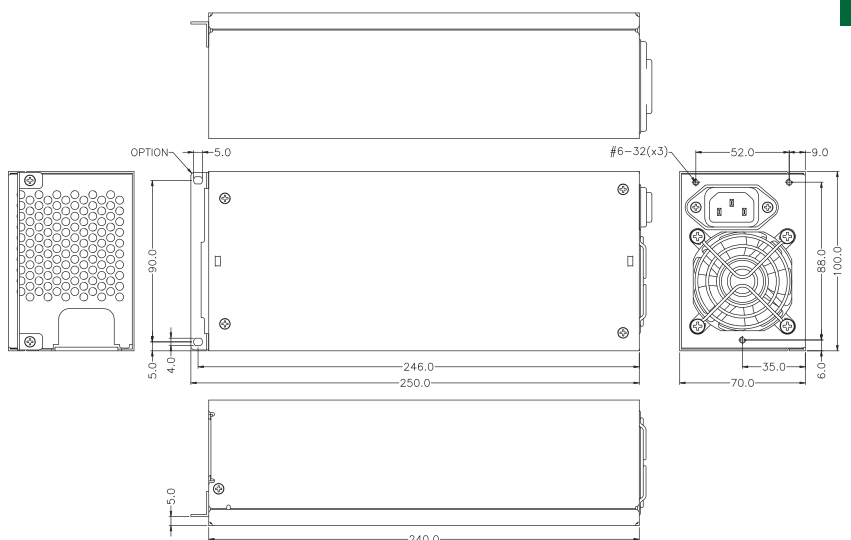
LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE VAC

DIMENSION : 240 (D) x 100 (W) x 70 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P2G-5500V	500W	25A	40A	25A	X	0.8A	3.5A
P2G-5600V	600W	25A	46A	25A	X	0.8A	3.5A
P2G-5650V	650W	25A	50A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	X	120mV	60mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 160W / 160W / 170W

P2G-5500V P2G-5600V P2G-5650V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

WATTAGE	115V	230V
500W	8A	4A
600W	9A	4A
650W	10A	5A

INRUSH CURRENT:

25/50 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 80-84% TYPICAL @ FULL LOAD

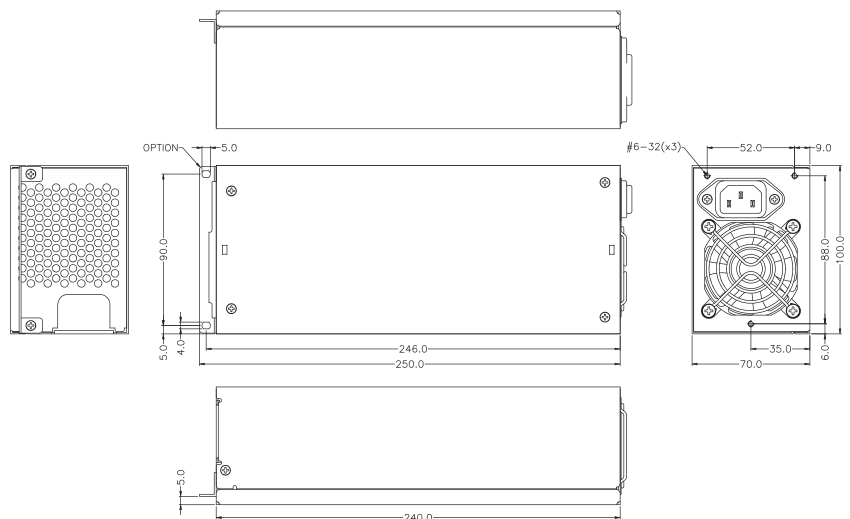
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE SENSING DESIGN:3.3V / 5V / 12V

DIMENSION : 240 (D) x 100 (W) x 70 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P2G-5600G	600W	25A	48A	25A	X	0.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	X	120mV	60mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 160W; +5V, +3.3V AND +12V TOTAL MAX : 581.5W; TOTAL POWER 600W

P2G-5600G

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

9/4.5A AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

50/100 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 87-90% TYPICAL @ 115V FULL LOAD

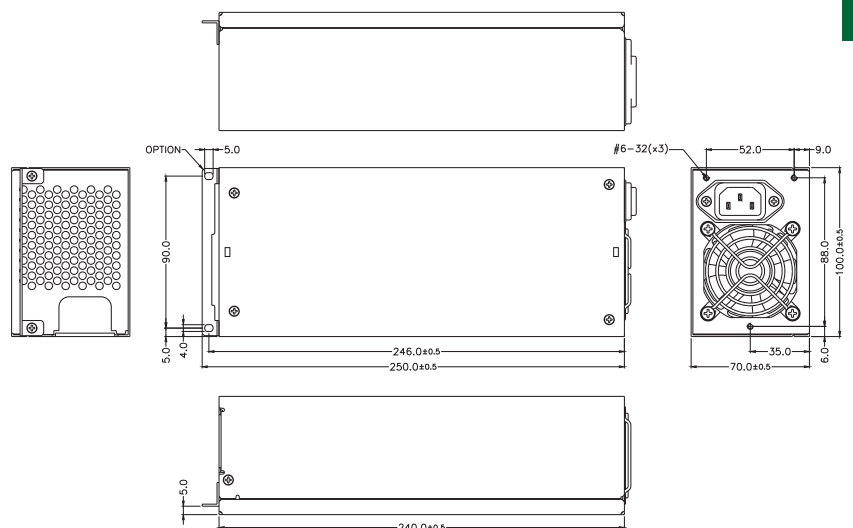
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

LEAKAGE CURRENT : 3.5mA. MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 240 (D) x 100 (W) x 70 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P2M-6550P	550W	35A	42A	30A	0.8A	1.0A	2.0A
P2M-6600P	600W	35A	42A	30A	0.8A	1.0A	2.0A
P2M-6601P	600W	30A	48A	24A	0.5A	0.5A	4.0A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	100mV	100mV	60mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 50A / 50A / 180W

P2M-6550P P2M-6600P P2M-6601P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

WATTAGE	115V	230V
550W	9A	3.5A
600W	10A	5A
600W	11A	7A

INRUSH CURRENT:

65/125 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 70% TYPICAL @ FULL LOAD

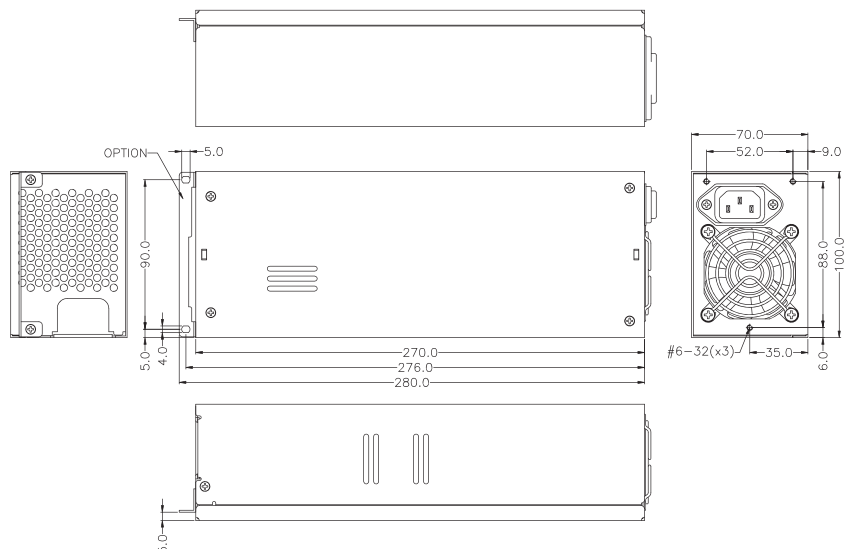
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE SENSING DESIGN

DIMENSION : 270 (D) x 100 (W) x 70 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P2M-5600V	600W	25A	46A	25A	X	0.8A	3.0A
P2M-5700V	700W	25A	50A	25A	X	0.8A	3.0A
P2M-5800V	800W	25A	62A	25A	X	0.8A	3.0A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	X	120mV	60mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 170W

P2M-5600V P2M-5700V P2M-5800V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

WATTAGE	115V	230V
600W	9A	4A
700W	11A	5A
800W	12A	6A

INRUSH CURRENT:

35/70 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~ 80°C

HUMIDITY : OPERATING :20%-80%, NON-OPERATING :10%-90%

HOLD UP TIME : 16mS MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 80~84% @ FULL LOAD

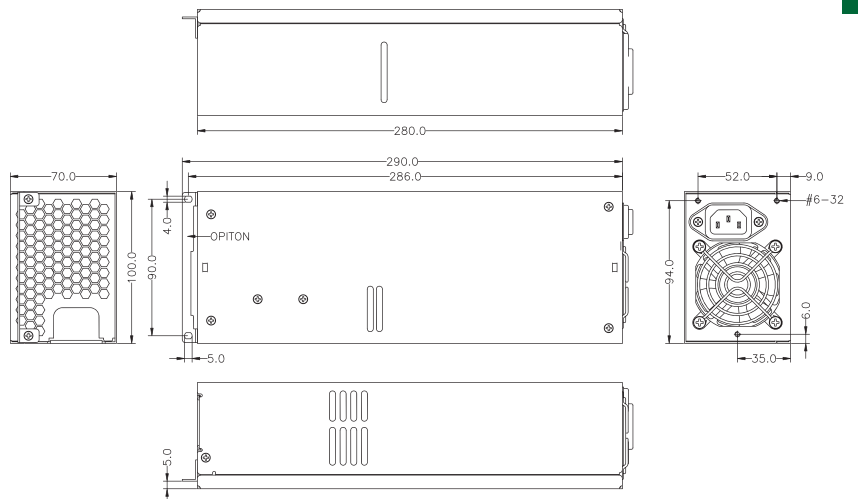
OUTPUT PROTECTION : OPP / OVP / OCP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 264VAC

REMOTE ON/OFF CONTROL

DIMENSION : 280(D) X 100(W) X 70(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P2P-5650P	650W	30A	50A	25A	X	0.8A	3.0A
P2P-5700P	700W	30A	50A	25A	X	0.8A	3.0A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	X	120mV	60mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 170W



P2P-5650P P2P-5700P

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

WATTAGE	115V	230V
650W	11A	5A
700W	11A	5A

INRUSH CURRENT:

35/70 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD UNDER 90V INPUT VOLTAGE

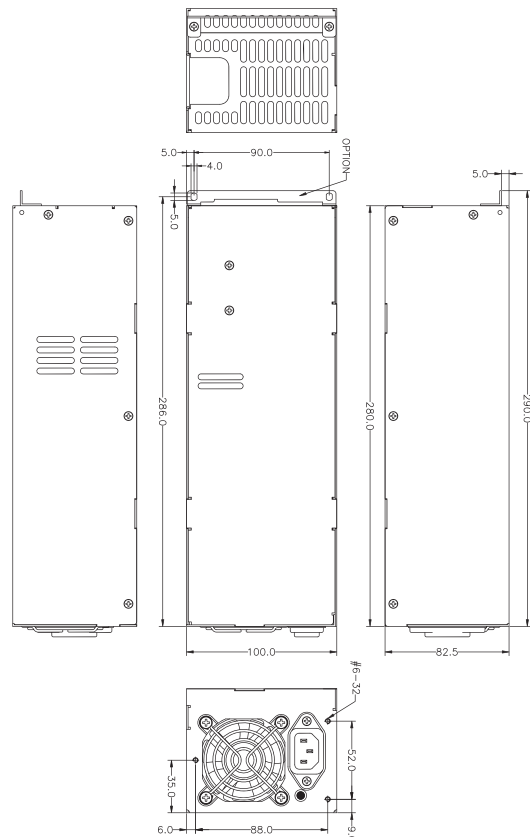
EFFICIENCY : 80~84% TYPICAL @ FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 280 (D) x 100 (W) x 82.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P2L-6600P	600W	40A	34A	30A	0.8A	1.0A	2.0A
P2L-6650P	650W	40A	34A	30A	0.8A	1.0A	2.0A
P2L-6700P	700W	40A	40A	30A	0.8A	1.0A	2.0A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	100mV	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 266W

P2L-6600P P2L-6650P P2L-6700P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

WATTAGE	115V	230V
600W	10A	5A
650W	11A	5A
700W	11.5A	5.5A

INRUSH CURRENT:

60/80 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 70% TYPICAL @ FULL LOAD

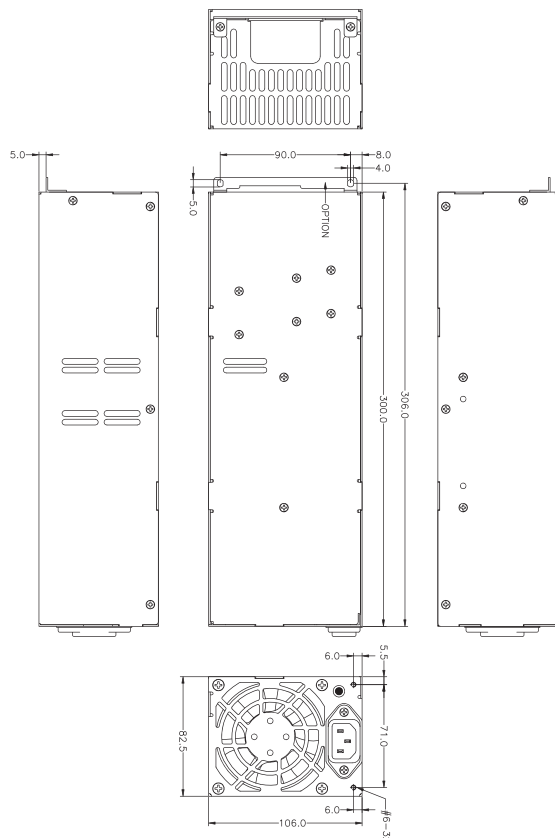
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

3.3V REMOTE SENSING DESIGN

DIMENSION : 300 (D) x 106(W) x 82.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
H3M-6500P	500W	30A	40A	24A	0.5A	0.5A	4.0A
H3M-6600P	600W	30A	48A	24A	0.5A	0.5A	4.0A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	100mV	100mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 180W

H3M-6500P H3M-6600P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

WATTAGE	115V	230V
500W	10A	6A
600W	11A	7A

INRUSH CURRENT:

90/130 AMPS@150/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

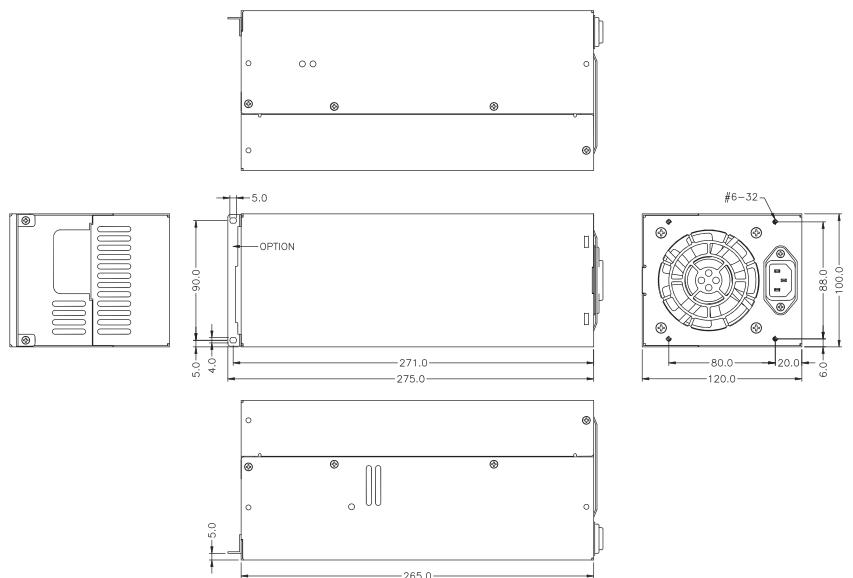
EFFICIENCY : 70% TYPICAL @ FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

DIMENSION : 265 (D) x 100 (W) x 120 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V1	+12V1	+3.3V1	-5V	-12V	+5VSB
P3M-9950P	950W	+5V2	+12V2	+3.3V2	0.8A	1.0A	2.0A
		25A	28A	20A			
		35A	42A	30A			
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		80mV	120mV	80mV	100mV	100mV	80mV

REMARKS : +5V1 AND +3.3V1 TOTAL OUTPUT MAX : 175W / +5V1, +12V1 AND +3.3V1 TOTAL OUTPUT MAX : 350W

+5V2 AND +3.3V2 TOTAL OUTPUT MAX : 200W

+5V2 AND +12V2 AND +3.3V2 TOTAL OUTPUT MAX : 574W

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 150 VAC INPUT VOLTAGE

EFFICIENCY : 70% TYPICAL @ AT FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 300 (D) X 100 (W) X 120 (H) x mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC (WITH ± 10% TOLERANCE)

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

10/5 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT:

140/160 AMPS@115/130VAC

POWER FACTOR CORRECTION :

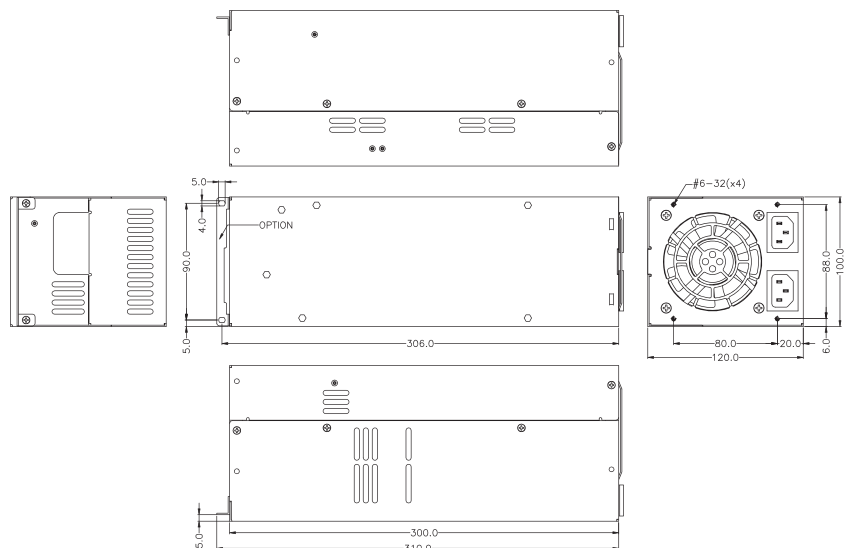
PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN60100-4-4 EFT, EN61000-4-5 SURGE



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
HG2-6300P	300W	35A	22A	28A	0.5A	0.8A	2.0A
HG2-6350P	350W	35A	26A	28A	0.5A	0.8A	2.0A
HG2-6400P	400W	35A	30A	28A	0.5A	0.8A	2.0A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	50mV

REMARKS : THE OUTPUT CURRENT OF 5V & 3.3V NOT EXCEED 45A

HG2-6300P HG2-6350P HG2-6400P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 240 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

WATTAGE	115V	230V
300W	7A	3.5A
350W	7A	3.5A
400W	8A	4A

INRUSH CURRENT:

65/125 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST, BSMI

SPECIFICATION:

TEMPERATURE RANGE : OPERATING -10°C ~ 50°C , STORAGE -20°C ~ 80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 70% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE VAC

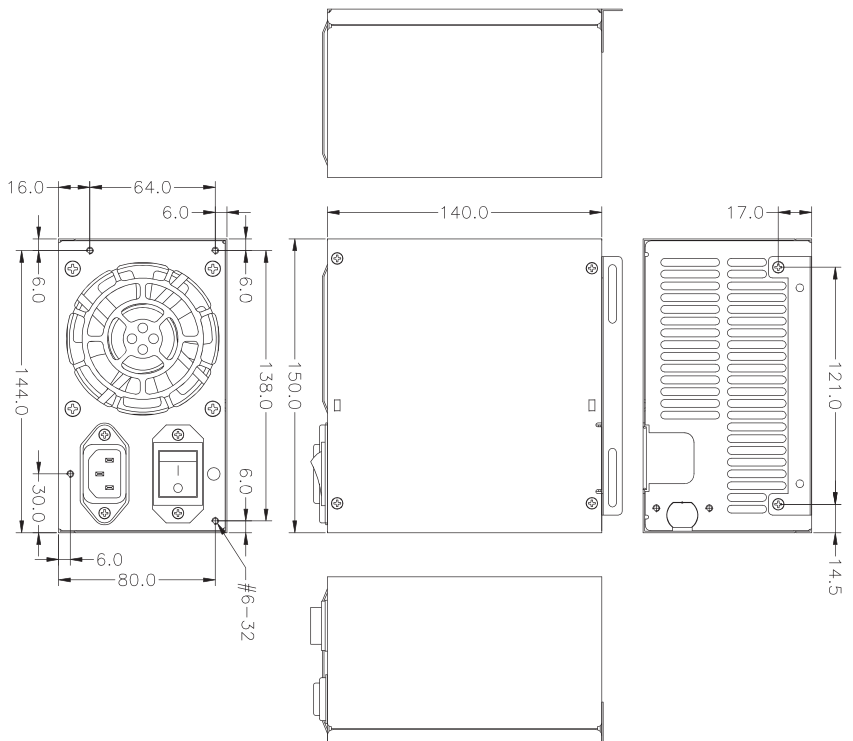
REMOTE ON/OFF CONTROL

DIMENSION : 140 (D) x150 (W) x 86 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
HP2-6400P	400W	35A	20A	28A	0.8A	1A	2.0A
HP2-6460P	460W	40A	32A	30A	0.8A	1A	2.0A
HP2-6500P	500W	40A	32A	30A	0.8A	1A	2.0A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		60mV	100mV	60mV	100mV	100mV	60mV

HP2-6400P HP2-6460P HP2-6500P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~264VAC FULL RANGE ; HP2-6500P → 115 ~ 240VAC

FULL RANGE(WITH ±10% TOLERANCE)

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

WATTAGE	110V	220V
400W	7A	2.5A
460W	7.5A	3.5A
500W	8A	4A

INRUSH CURRENT:

65/125 AMPS @ 110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC,GOST, BSMI

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 70% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP, RESTART AFTER PROTECTION

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE VAC

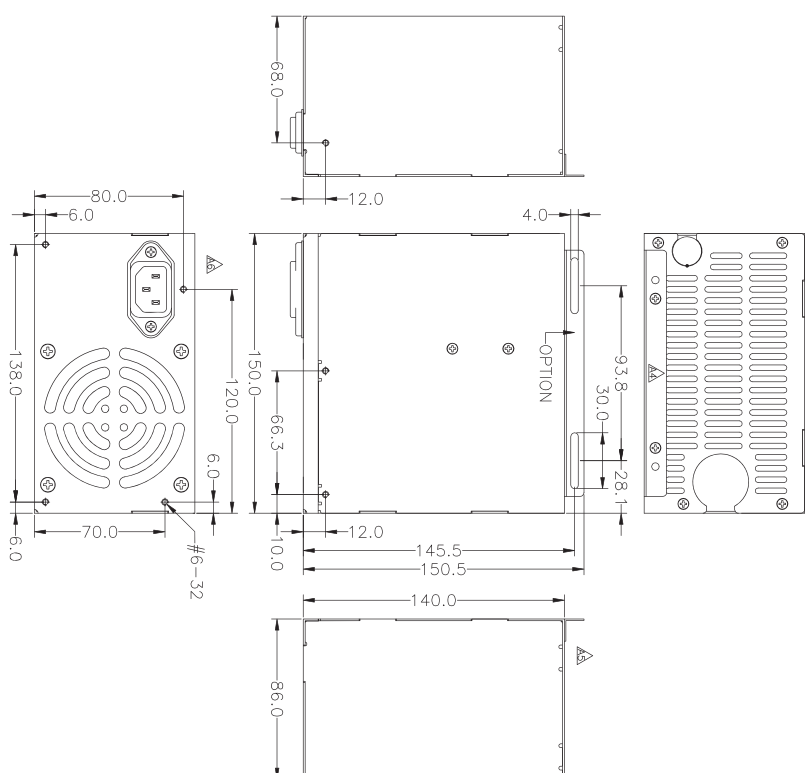
REMOTE ON/OFF CONTROL

DIMENSION : 140(D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
HG2-5400V	400W	20A	30A	20A	X	0.8A	3.5A
HG2-5500V	500W	20A	38A	20A	X	0.8A	3.5A
HG2-5600V	600W	25A	45A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : THE OUTPUT CURRENT OF +5V & +3.3V NOT EXCEED 40A

HG2-5400V HG2-5500V HG2-5600V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

WATTAGE	115V	230V
400W	6A	3A
500W	8A	4A
600W	10A	5A

INRUSH CURRENT:

20/40AMPS @ 115/30VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, BSMI

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 80-85% @115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP, RESTART AFTER PROTECTION

LEAKAGE CURRENT : 1.5mA MAX. AT NOMINAL VOLTAGE VAC

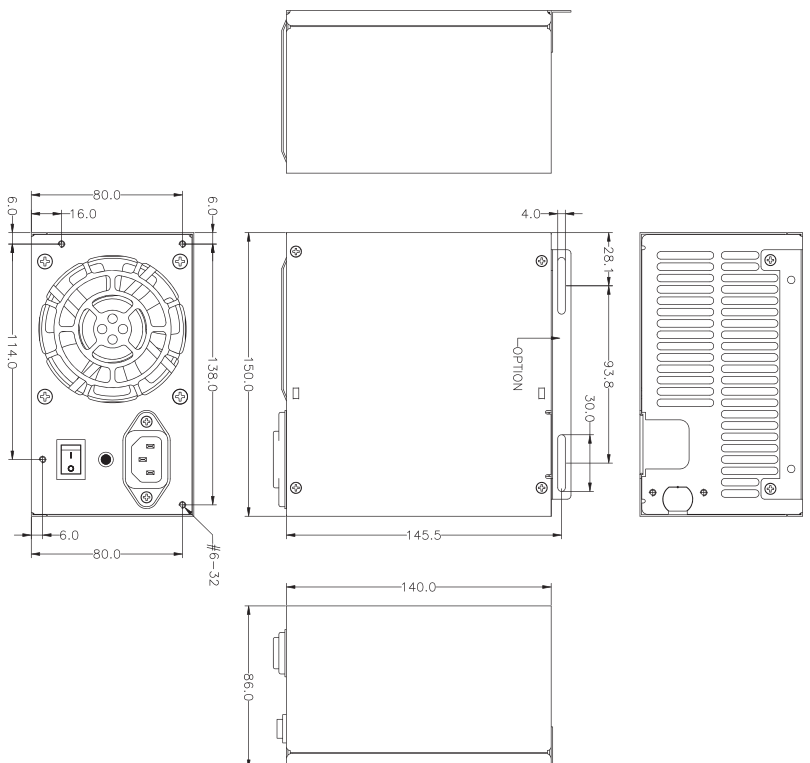
REMOTE ON/OFF CONTROL

DIMENSION : 140 (D) x150 (W) x 86 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
HU2-5560V	560W	22A	40A	22A	X	0.8A	3.5A
HU2-5660V	660W	25A	50A	25A	X	0.8A	3.5A
HU2-5760V	760W	25A	55A	25A	X	0.8A	3.5A
HU2-5860V	860W	25A	60A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : * THE OUTPUT CURRENT OF 5V & 3.3V NOT EXCEED 40A

* WITH 12CM FAN

HU2-5560V
HU2-5660V
HU2-5760V
HU2-5860V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

WATTAGE	115V	230V
560W	8A	4A
660W	10A	5A
760W	12A	6A
860W	13A	7A

INRUSH CURRENT:

20/40 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C

HOLD UP TIME : 16mS MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 80-85% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP, RESTART AFTER PROTECTION

LEAKAGE CURRENT : 1.5mA MAX. AT NOMINAL VOLTAGE VAC

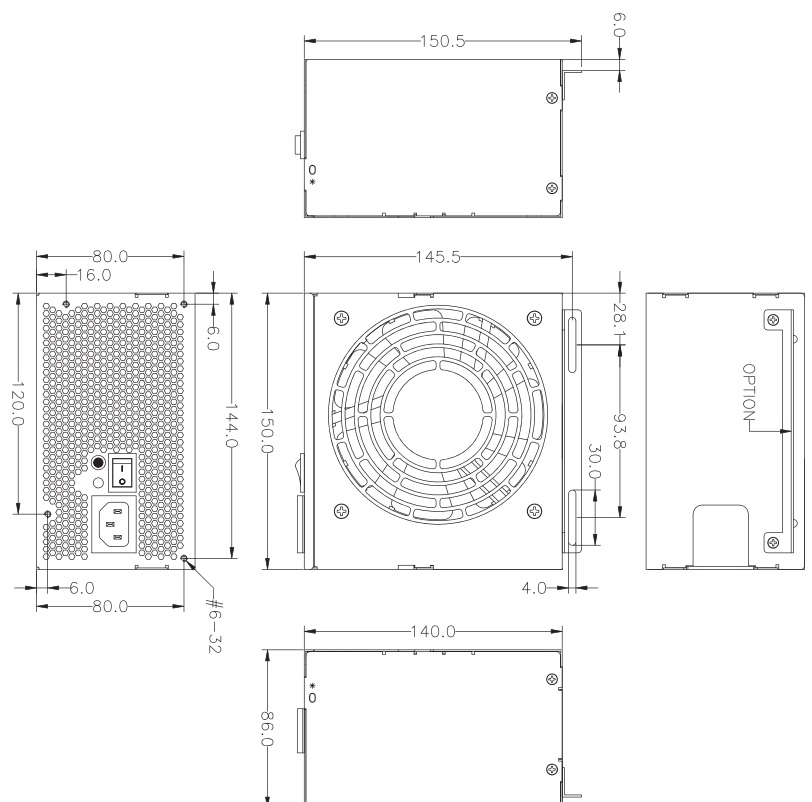
REMOTE ON/OFF CONTROL

DIMENSION : 140(D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
GU2-5950V	950W	34A	75A	34A	X	0.8A	3.5A
GU2-5A50V	1050W	34A	85A	34A	X	0.8A	3.5A
GU2-5C00V	1200W	34A	100A	34A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : *+5V AND +3.3V TOTAL MAX. : 55A

* WITH 12CM FAN

GU2-5950V GU2-5A50V GU2-5C00V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

WATTAGE	115V	230V
950W	13A	7A
1050W	14A	7A
1200W	15A	8A

INRUSH CURRENT:

40/80 AMPS @ 120/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 12mS

IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 80-85% AT 25°C 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

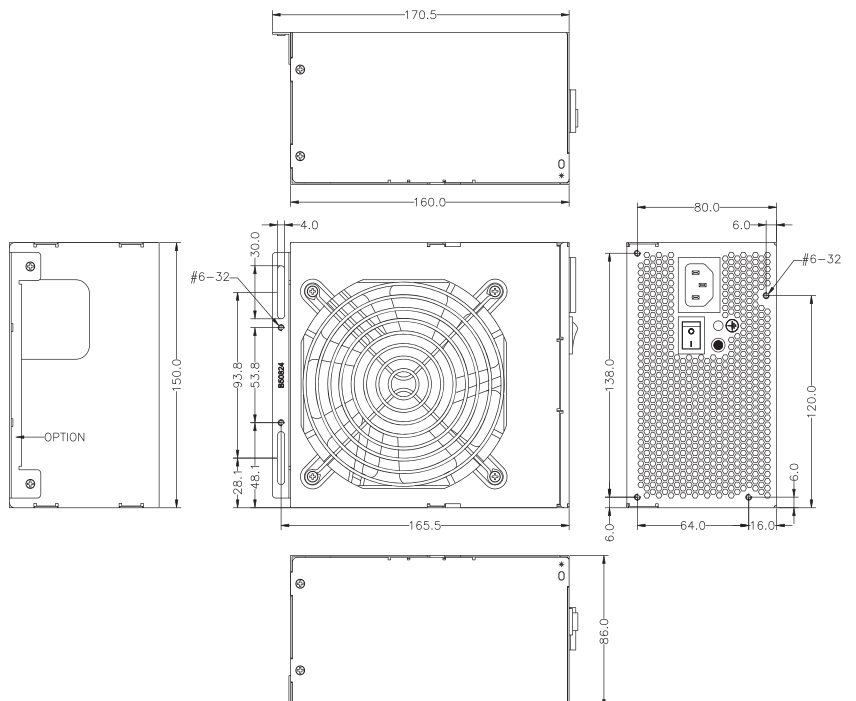
OUTPUT PROTECTION : OPP / OVP / SCP / OCP / RESTART AFTER PROTECTION

LEAKAGE CURRENT : 1.5mA MAX. AT NOMINAL VOLTAGE VAC

REMOTE ON/OFF CONTROL

DIMENSION : 160(D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT						
		+5V	+12V1	+12V2	+3.3V	-5V	-12V	+5VSB
PSM-6550P	550W	30A	26A	20A	30A	0.8A	0.8A	2.0A
PSM-6600P	600W	30A	26A	20A	30A	0.8A	0.8A	2.0A
REGULATION LOAD		±3%	±3%	±3%	±3%	±3%	±5%	±5%
RIPPLE AND NOISE		60mV	100mV	100mV	60mV	100mV	100mV	60mV

REMARKS: +5V AND +3.3V MAX. CURRENT : 50A; +12V1 AND +12V2 MAX. CURRENT : 40A



PSM-6550P PSM-6600P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

WATTAGE	115V	230V
550W	9A	4.5A
600W	10A	5A

INRUSH CURRENT:

65/125 AMPS @ 110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 70% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

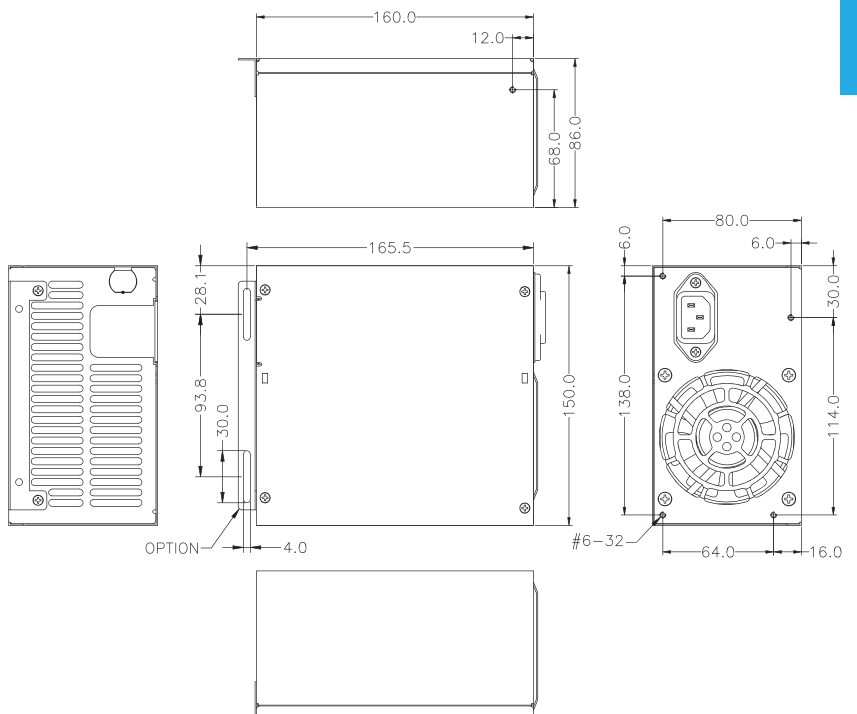
OUTPUT PROTECTION : OPP / OVP / SCP, RESTART AFTER PROTECTION

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE VAC

REMOTE ON/OFF CONTROL

DIMENSION : 160 (D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
PSM-5660V	660W	25A	50A	25A	X	0.8A	3.5A
PSM-5760V	760W	25A	55A	25A	X	0.8A	3.5A
PSM-5860V	860W	25A	60A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL MAX : 40A

PSM-5660V PSM-5760V PSM-5860V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

WATTAGE	115V	230V
660W	10A	5A
760W	12A	6A
860W	13A	7A

INRUSH CURRENT:

20/40 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 16ms

IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 80-85% @ 115V FULL LOAD

OUTPUT PROTECTION : OPP / OVP / SCP, RESTART AFTER PROTECTION

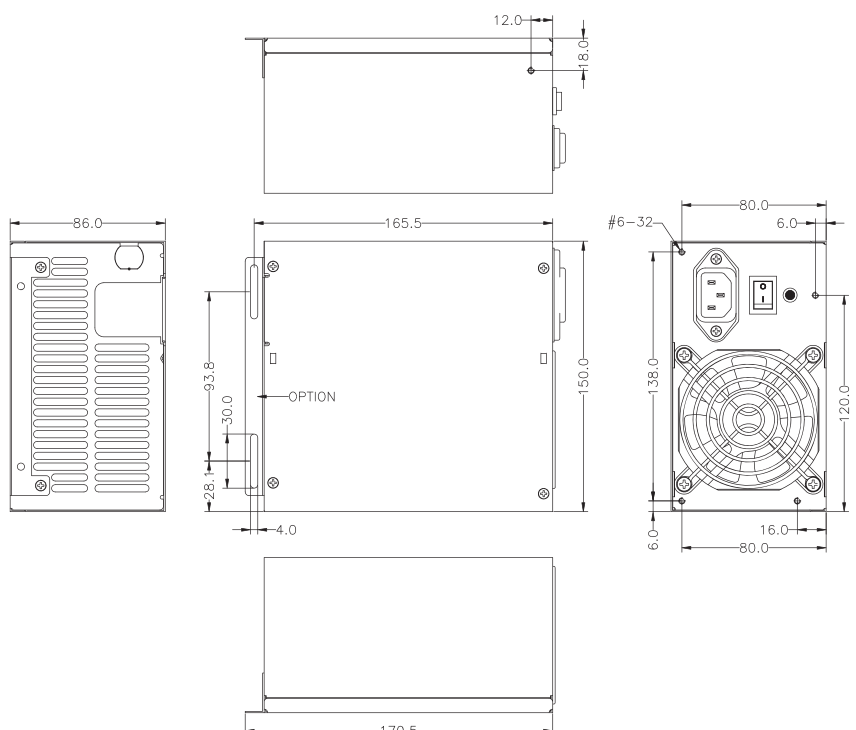
LEAKAGE CURRENT : 1.5mA MAX. AT NOMINAL VOLTAGE VAC

REMOTE ON/OFF CONTROL

DIMENSION : 160(D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
PSM-5600G	600W	25A	48A	25A	X	0.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL MAX : 160W; +5V AND +3.3V AND +12V TOTAL MAX : 581.5W; TOTAL POWER : 600W

PSM-5600G

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY

47 ~ 63 HZ

INPUT CURRENT

9/4.5 AMPS @ ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT

50/100 AMPS @ 115/230VAC

POWER FACTOR CORRECTION

PFC CAN REACH THE TARGET OF 95% AT 115V AND 90% AT 230V, FULL LOAD.

EMI

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY

MEET UL60601-1, CUL CSA C22.2 NO. 60601-1, TUV EM 60601-1, CCC GB4943-1995, GB9254-1998, GB17625.1-199

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 16MSEC

IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

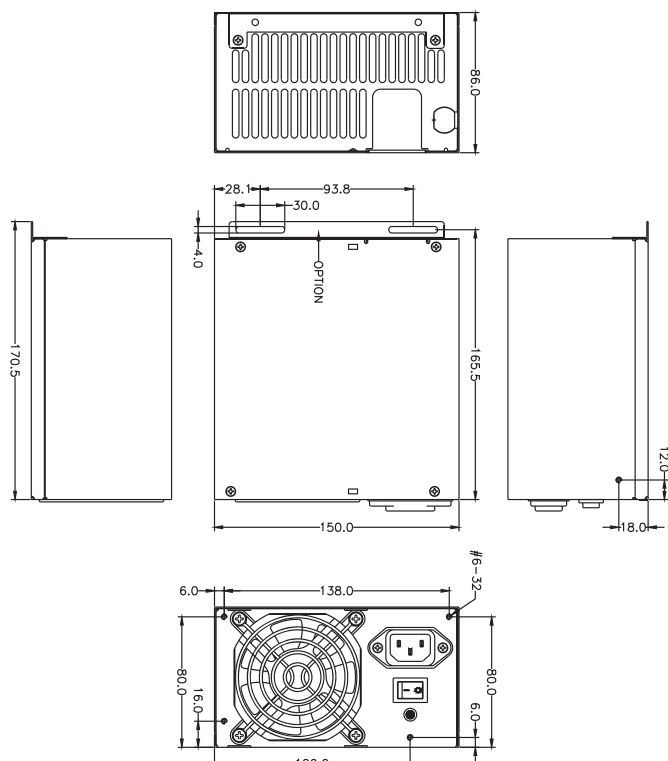
EFFICIENCY : TYPICAL >85% @ FULL LOAD

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

RESTART AFTER PROTECTION

DIMENSION : 160(D) mm X 150(W) mm X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
PSL-6850P(LH)	850W	45A	60A	30A	0.8A	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	120mV	120mV	60mV

REMARKS : TOTAL OUTPUT OF +5V AND +3.3V NOT EXCEED 230W



PSL-6850P(LH)

INPUT CHARACTERISTICS:

VOLTAGE :

99 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

13.5A/6A AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT:

75/150 AMPS @ 110/220 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST, BSMI

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 17ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 71% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

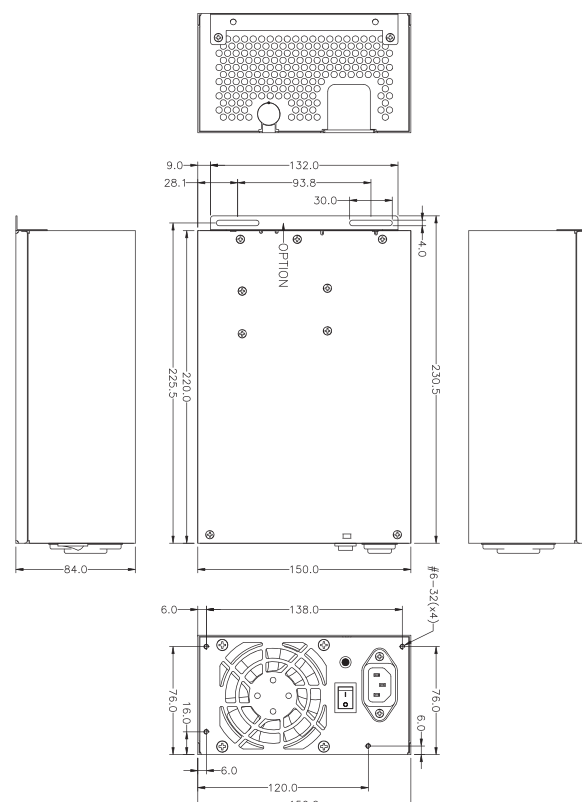
OUTPUT PROTECTION : OPP / OVP / SCP, RESTART AFTER PROTECTION

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE VAC

REMOTE ON/OFF CONTROL

DIMENSION : 220 (D) x 150 (W) x 84(LH) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
PSA-6600P	600W	50A	36A	45A	0.8A	1A	2.0A
PSA-6650P	650W	50A	36A	45A	0.8A	1A	2.0A
PSA-6700P	700W	50A	36A	45A	0.8A	1A	2.0A
PSA-6601P	600W	50A	36A	45A	2.5A	1A	2.0A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		60mV	100mV	60mV	100mV	100mV	60mV

REMARKS : +5V AND +3.3V TOTAL POWER MAX : 300W



PSA-6600P PSA-6650P PSA-6700P PSA-6601P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

WATTAGE	115V	230V
600W	10A	5A
650W	11A	5A
700W	11A	5A

INRUSH CURRENT:

65/125 AMPS @ 110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~70°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 71% @ 115VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP, RESTART AFTER PROTECTION

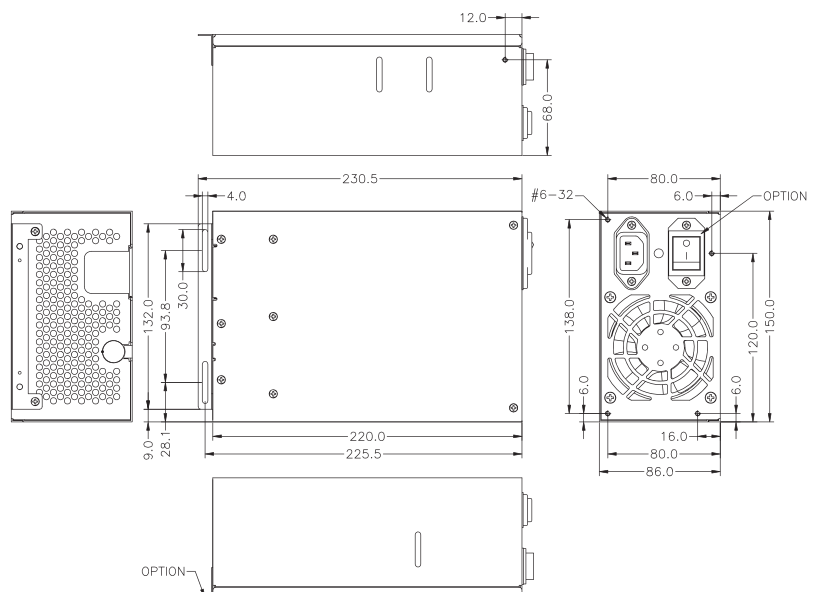
LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE VAC

REMOTE ON/OFF CONTROL

I2C FEATURE IS OPTIONAL

DIMENSION : 220 (D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
PSL-6600P	600W	50A	36A	40A	0.8A	1A	2.0A
PSL-6700P	700W	50A	36A	40A	0.8A	1A	2.0A
PSL-6701P	700W	35A	45A	30A	0.8A	1A	2.0A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		60mV	100mV	60mV	100mV	100mV	60mV

REMARKS : +5V AND +3.3V TOTAL POWER MAX : 300W / 250W~PSL-6701P

PSL-6600P PSL-6700P PSL-6701P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

WATTAGE	115V	230V
600W	10A	5A
700W	11A	5A

INRUSH CURRENT:

65/125 AMPS @ 110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C

HOLD UP TIME : 17mS MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 71% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP, RESTART AFTER PROTECTION

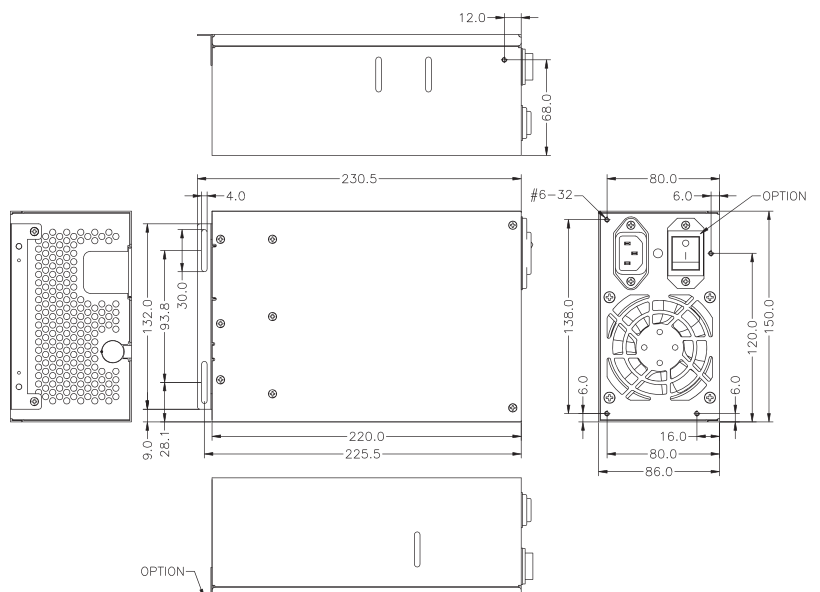
LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE VAC

REMOTE ON/OFF CONTROL

I2C FEATURES (OPTIONAL),

DIMENSION : 220 (D) x 150 (W) x 86 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
PSL-6720P	720W	45A	52A	30A	0.8A	0.8A	3.5A
PSL-6800P	800W	45A	60A	30A	0.8A	0.8A	3.5A
PSL-6850P	850W	45A	60A	30A	0.8A	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	120mV	120mV	60mV

REMARKS : TOTAL OUTPUT OF +5V AND +3.3V NOT EXCEED 230W



PSL-6720P PSL-6800P PSL-6850P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

WATTAGE	110V	220V
720W	12A	5A
800W	13.5A	6A
850W	13.5A	6A

INRUSH CURRENT:

75/150 AMPS @ 110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 17ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 71% @115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

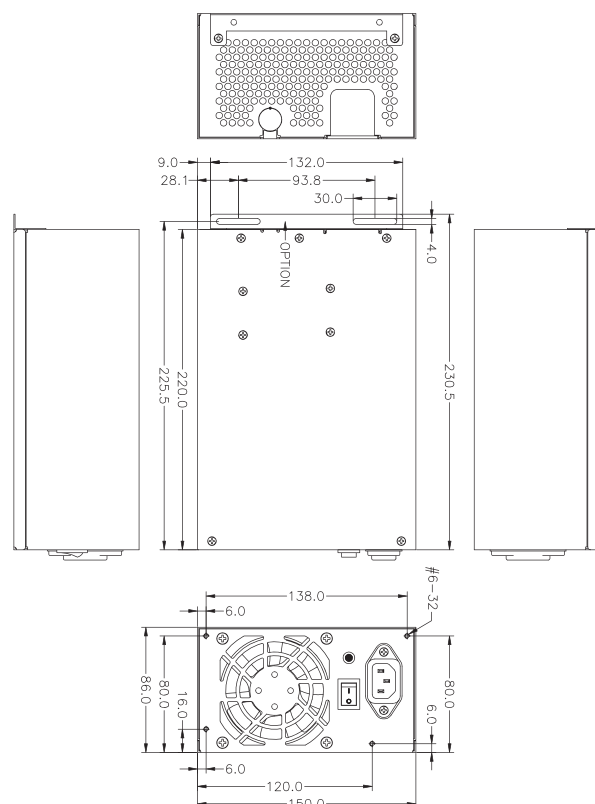
OUTPUT PROTECTION : OPP / OVP / SCP, RESTART AFTER PROTECTION

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE VAC

REMOTE ON/OFF CONTROL

DIMENSION : 220 (D) x 150 (W) x 86 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT								
		+5V	+12V1	+12V2	+12V3	+12V4	+3.3V	-5V	-12V	+5VSB
SSL-9800P	800W	30A	16A	16A	16A	16A	30A	0.8A	0.8A	3.5A
SSL-9850P	850W	30A	16A	16A	16A	16A	30A	0.8A	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	120mV	120mV	120mV	60mV	120mV	120mV	60mV

REMARKS : +5V AND +3.3V MAX. POWER : 230W



SSL-9800P SSL-9850P

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

13.5A/6A AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT:

75/150 AMPS @ 110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST, BSMI

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 17ms

IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 71% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

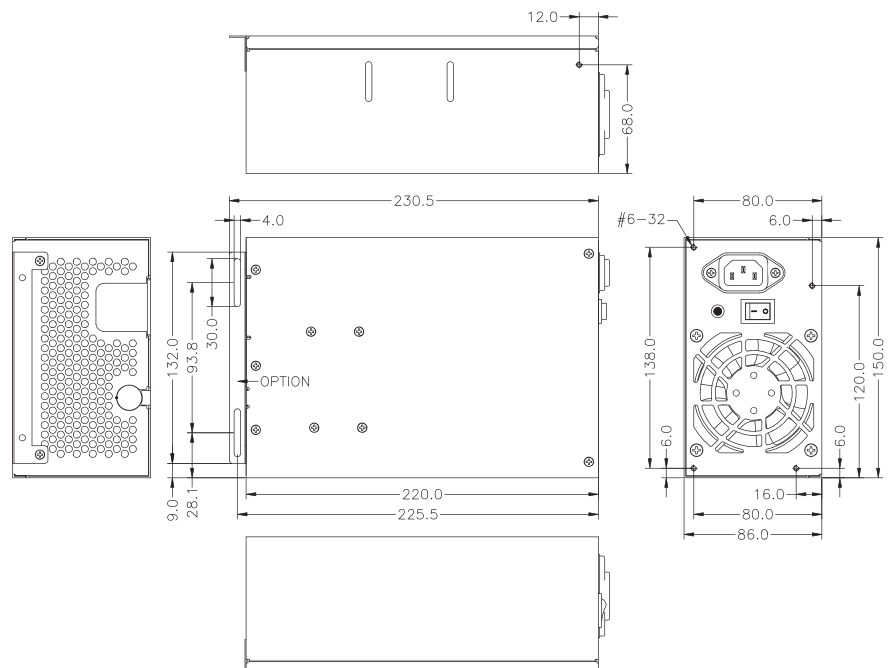
OUTPUT PROTECTION : OPP / OVP / SCP, RESTART AFTER PROTECTION

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE VAC

REMOTE ON/OFF CONTROL

DIMENSION : 220(D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V1	+12V2	+3.3V	-12V	+5VSB
PSL-6A00V	1000W	25A	50A	50A	25A	0.8A	3.5A
PSL-6C00V	1200W	25A	50A	50A	25A	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	120mV	60mV	120mV	60mV

REMARKS : +5V AND +3.3V TOTAL MAX. POWER : 170W

+3.3V & +5V AND +12V2 MAX. POWER : 600W

PSL-6A00V PSL-6C00V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

WATTAGE	110V	220V
1000W	14A	7A
1200W	15A	7.5A

INRUSH CURRENT:

20/40 AMPS @ 110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ; STORAGE TEMPERATURE : -20°C ~80°C

HOLD UP TIME : 18mS MINIMUM AT 90V FULL LOAD & NOMINAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 81%-86% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP, RESTART AFTER PROTECTION

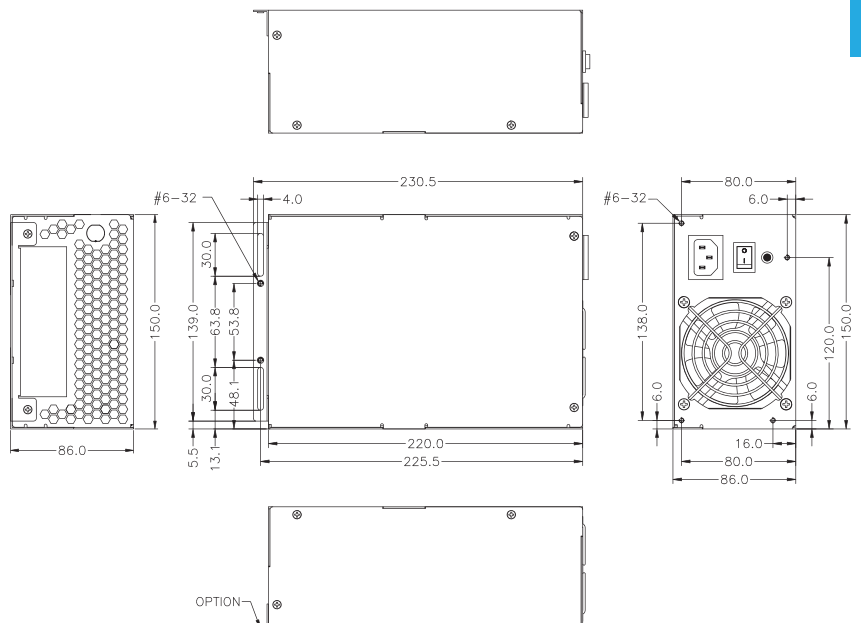
LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE VAC

REMOTE ON/OFF CONTROL

I2C FEATURES (OPTIONAL)

DIMENSION : 220 (D) x 150 (W) x 86 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V1	+12V2	+3.3V	-12V	+5VSB
PSL-6AH0V	1800W	25A	75A	75A	25A	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	120mV	60mV	120mV	60mV

REMARKS : +5V AND +3.3V TOTAL MAX. POWER : 170W; +5V, +3.3V AND +12V2 TOTAL MAX POWER : 900W

PSL-6AH0V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

STEADY-STATE CURRENT :

26/13A AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

60/80 AMPS @ 110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C ; STORAGE TEMPERATURE : -20°C ~ 80°C

HOLD UP TIME : 16ms MINIMUM AT 90V FULL LOAD & NOMINAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 82% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP, RESTART AFTER PROTECTION

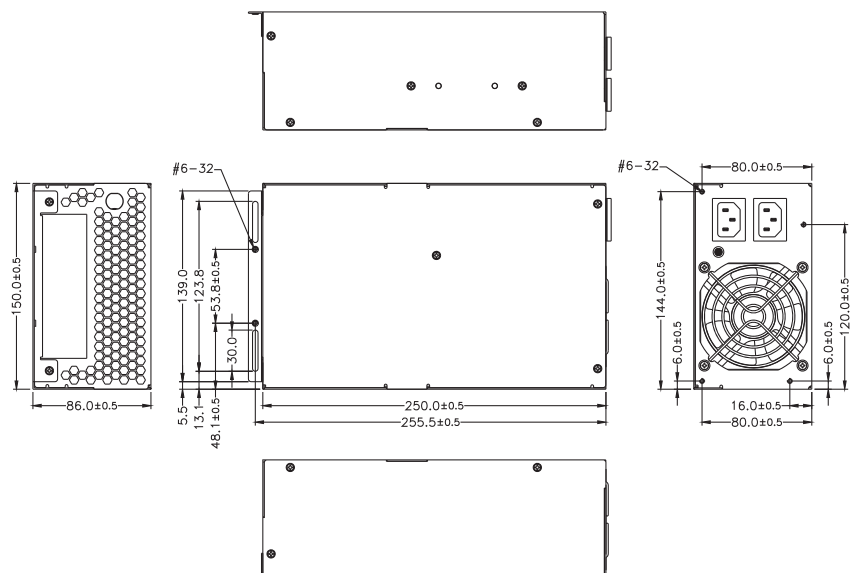
LEAKAGE CURRENT : 3.5MA MAX. AT NOMINAL VOLTAGE VAC

REMOTE ON/OFF CONTROL

I2C FEATURES (OPTIONAL)

DIMENSION : 250 (D) x 150 (W) x 86 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R1T2-5120V0H	120W	10A	10A	10A	X	0.3A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 120W

R1T2-5120V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

STEADY-STATE CURRENT :

2/1 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

35/70 AMPS @115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 17ms MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 86% AT 115V, 88% AT 230V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 600ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

Leakage current: Input leakage current from line to ground will be less than 3.5mA rms.

Measurement

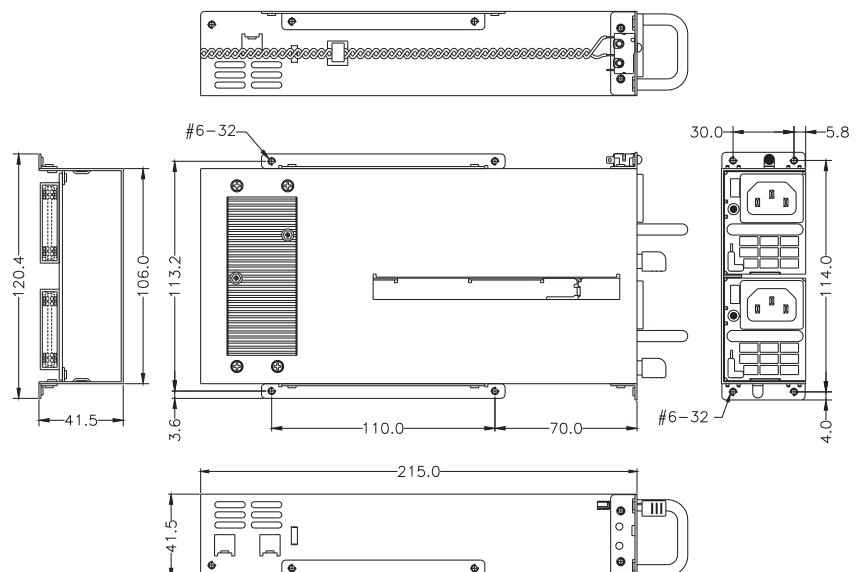
will be made at 240 VAC and 60Hz.

DIMENSION : 215(D) X 106(W) X 41.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant

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HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1S2-5400V4H	400W	25A	33A	25A	X	0.8A	3.5A
M1S2-5500V4H	500W	25A	41A	25A	X	0.8A	3.5A
M1S2-5550V4H	550W	25A	45A	25A	X	0.8A	3.5A
M1S2-5401V4H	400W	25A	33A	25A	X	0.8A	3.5A
M1S2-5501V4H	500W	25A	41A	25A	X	0.8A	3.5A
M1S2-5551V4H	550W	25A	45A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : TOTAL MAX OUTPUT OF +5V AND +3.3V NOT EXCEED 170W.

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C · STORAGE -20°C ~80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : 84% MAX. TYPICAL AT FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE SENSING DESIGN

DIMENSION : 355(D) * 106(W) * 41.3 (H)mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.

M1S2-5400V4H
M1S2-5500V4H
M1S2-5550V4H
M1S2-5401V4H
M1S2-5501V4H
M1S2-5551V4H

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

WATTAGE	132V	264V
400W	6A	3A
500W	8A	4A
550W	10A	5A

INRUSH CURRENT:

20/40 AMPS @ 132/264VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

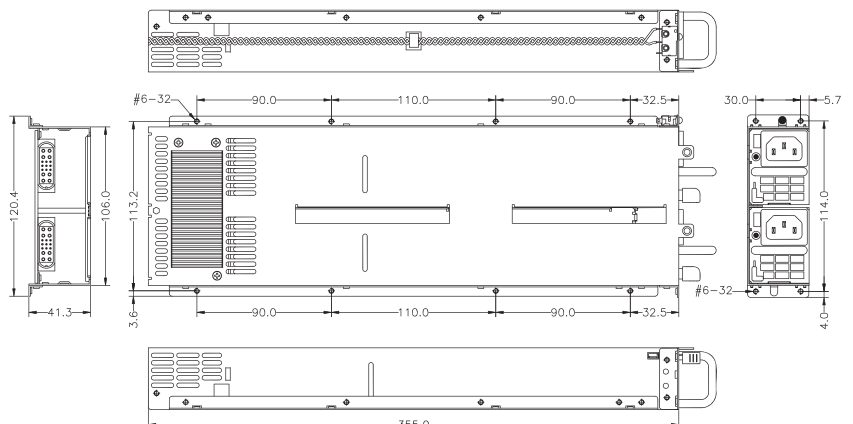
IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC



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HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1V2-5800V4H	800W	22A	66A	22A	X	0.5A	3A
M1V2-5801V4H	800W	36A	66A	31A	X	0.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 150W

M1V2-5800V4H M1V2-5801V4H

INPUT CHARACTERISTICS:

VOLTAGE :

90~264 / 115~240 VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

6A (RMS) FOR 230VAC, 12A (RMS) FOR 115VAC

INRUSH CURRENT:

15A MAX. FOR 115 VAC PER MODULE, 30A MAX. FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C · STORAGE -20°C ~80°C

HOLD UP TIME : 11ms MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 85% AT 115V, 12V/66A 5VSB/1.6A; TYPICAL 88% AT 230V, 12V/66A 5VSB/1.6A (PER SET)

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

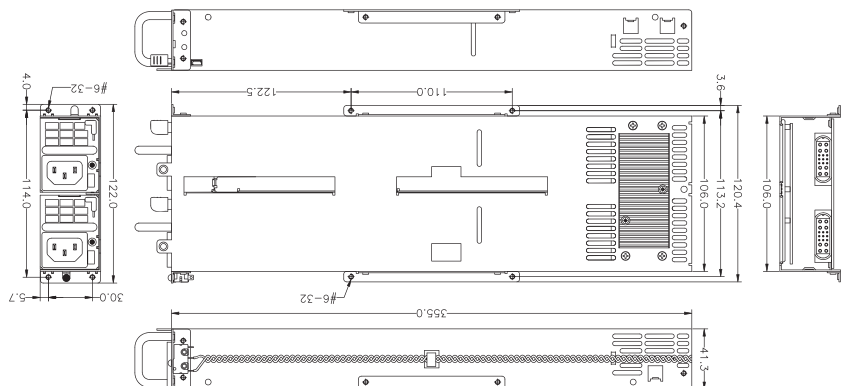
OUTPUT PROTECTION : OPP / OVP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

DIMENSION : 355(D) X 106(W) X 41.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



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HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1U2-5650V4H	650W	22A	54A	22A	X	0.5A	3A
M1U2-5750V4H	750W	22A	62A	22A	X	0.5A	3A
M1U2-5651V4H	650W	36A	54A	31A	X	0.5A	3A
M1U2-5751V4H	750W	36A	62A	31A	X	0.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 150W / 210W---M1U2-5651V4H & M1U2-5751V4H

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C · STORAGE -20°C ~80°C

HOLD UP TIME : 11ms MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 85% AT 115V, 88% AT 230V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

DIMENSION : 355(D) X 106(W) X 41.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

M1U2-5650V4H
M1U2-5750V4H
M1U2-5651V4H
M1U2-5751V4H

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

WATTAGE	115V	230V
650W	10A	5A
750W	12A	6A

INRUSH CURRENT:

15/30A @ 115V/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

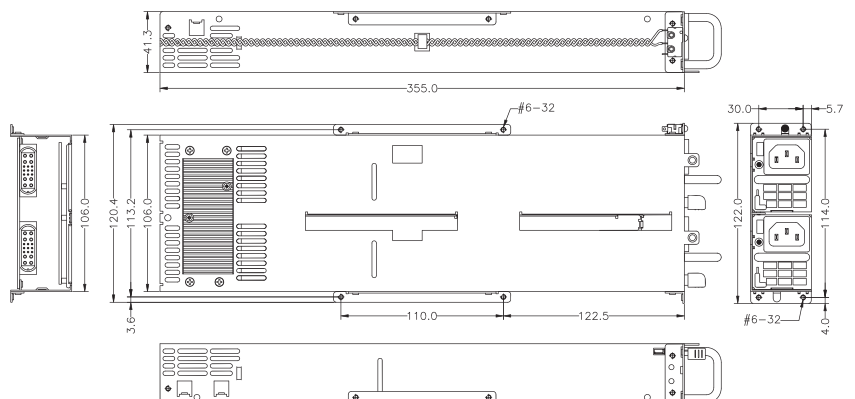
IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC



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HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1U2-2650V4H	650W	X	54A	X	X	X	3A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 650W

M1U2-2650V4H

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

STEADY-STATE CURRENT :

10/5 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

15A/30 AMPS @115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 11ms MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 85% AT 115V, 88% AT 230V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP

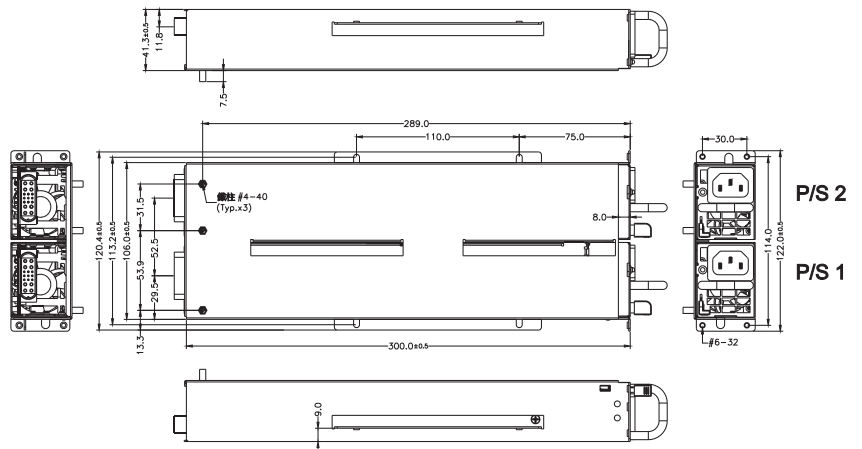
FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

DIMENSION : 355(D) X 106(W) X 41.8(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



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HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R1U2-5220V4H	220W	16A	17.5A	16A	X	0.3A	2A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 120W

R1U2-5220V4H

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

1.5A (RMS) FOR 230VAC, 3A (RMS) FOR 115VAC

INRUSH CURRENT:

35A MAX. FOR 115 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,
FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 20mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 78% @230VAC FULL LOAD

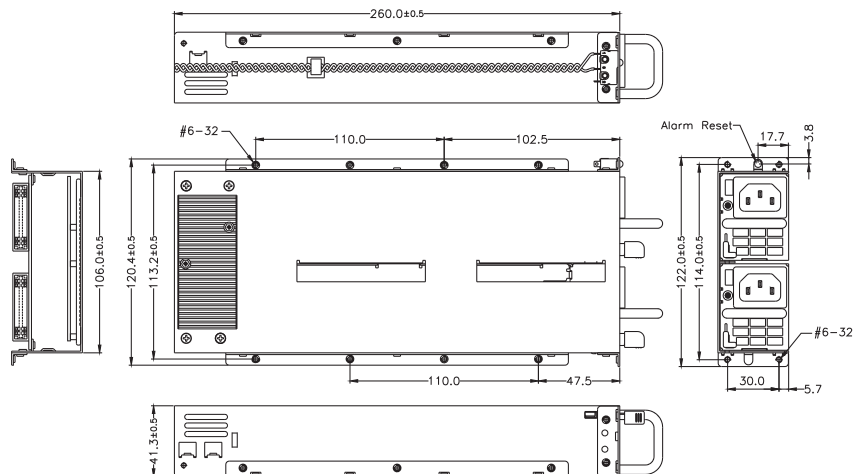
POWER GOOD SIGNAL : ON DELAY 100ms TO 600ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

DIMENSION : 260(D) X 106(W) X 41.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE
OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH
CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R1V2-5275V4H	275W	20A	22A	20A	X	0.3A	2.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 150W

R1V2-5275V4H

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

4A (RMS) FOR 115 VAC, 2A (RMS) FOR 230 VAC

INRUSH CURRENT:

35A MAX. FOR 115 VAC PER MODULE, 70A MAX. FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 20ms

IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : 78%±2% TYPICAL · AT FULL LOAD 230VAC

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

POWER GOOD SIGNAL : ON DELAY 100ms TO 600ms · OFF DELAY 1Ms

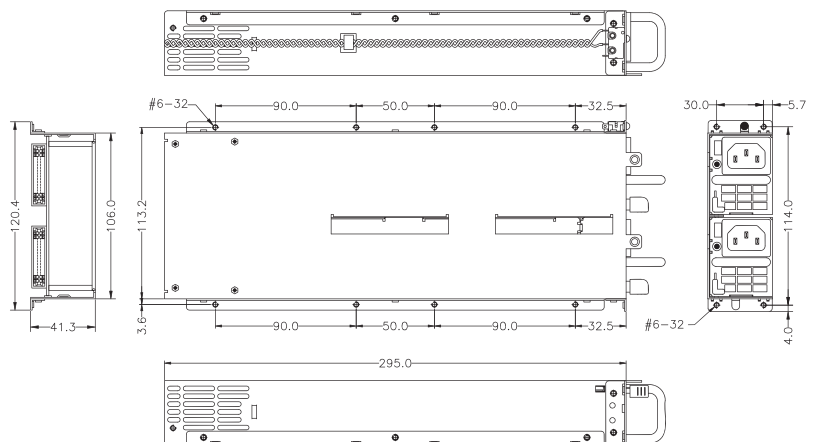
OUTPUT PROTECTION : OPP / OVP / SCP

WARNING METHOD : AUDIO ALARM (BUZZER SOUND, RESETABLE), FAULT LED, TTL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

DIMENSION : 295(D) × 106(W) × 41.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant

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HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1K2-5A00V4H	1000W	22A	83A	22A	X	0.5A	3A
M1K2-5C00V4H	1200W	22A	100A	22A	X	0.5A	3A
M1K2-5A01V4H	1000W	36A	83A	31A	X	0.5A	3A
M1K2-5C01V4H	1200W	36A	100A	31A	X	0.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 150W
(M1K2-5A00V4H / M1K25C00V4H) 210W (M1K2-5A01V4H / M1K2-5C01V4H)

M1K2-5A00V4H
M1K2-5C00V4H
M1K2-5A01V4H
M1K2-5C01V4H

INPUT CHARACTERISTICS:

VOLTAGE :

90~264 / 110~240 VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

15/7.5 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

15/30 AMPS @115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C · STORAGE -20°C ~80°C

HOLD UP TIME : 10mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 83% AT 115V, 12V/83A 5VSB/0.1A; TYPICAL 86% AT 230V, 12V/83A

5VSB/0.1A

POWER GOOD SIGNAL : ON DELAY 100mS TO 500mS · OFF DELAY 1mS

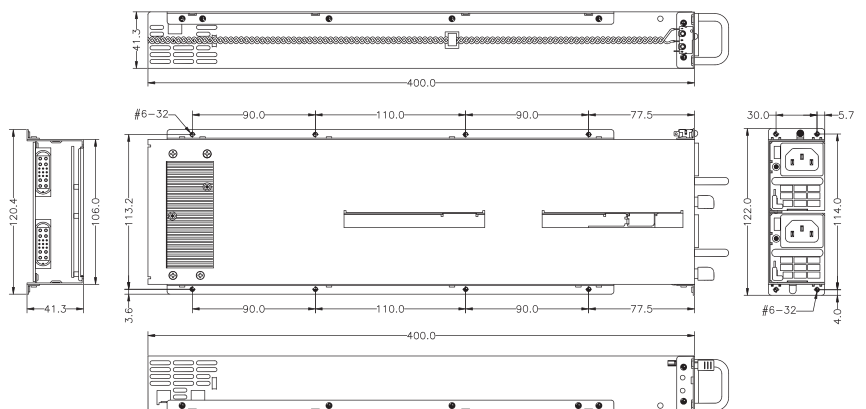
OUTPUT PROTECTION : OPP / OVP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

DIMENSION : 400(D) X 106(W) X 41.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1P2-5420V4H	420W	32A	35A	25A	X	0.5A	3.5A
M1P2-5500V4H	500W	32A	41A	25A	X	0.5A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 170W

M1P2-5420V4H M1P2-5500V4H

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC (WITH ± 10% TOLERANCE)

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

7/3A MAX AT ANY LOW/HIGH INPUT VOLTAGE

8/4A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

40/60A @ 115/230VAC (25°C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 1000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~ 40°C, STORAGE : -20°C ~ 80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : >80% TYPICAL AT 230 VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

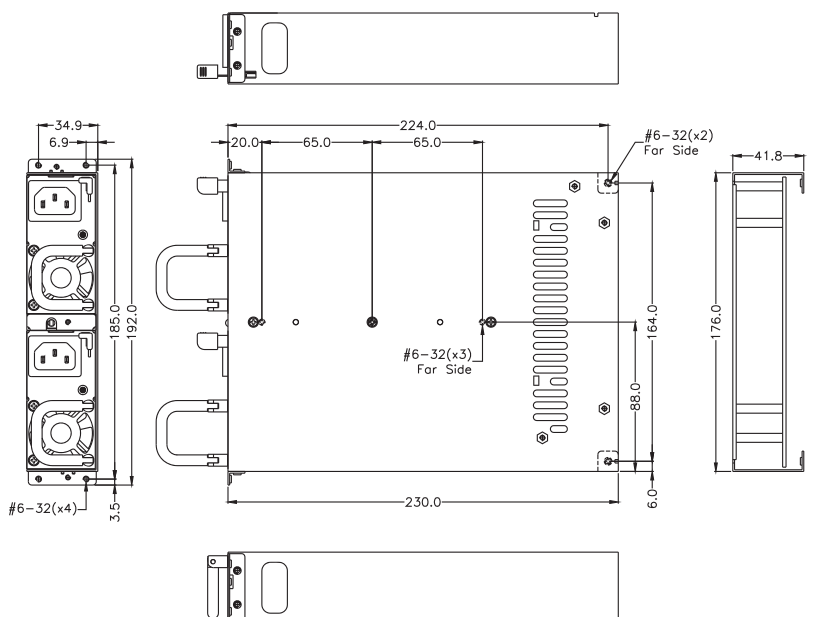
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE SENSING DESIGN

DIMENSION : 230 (D) x 176 (W) x 41.8 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



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HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R1S2-5120V0H	120W	10A	10A	10A	X	0.3A	3.0A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 80W;
POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 120W



R1S2-5120V0H

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

2/1 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

35/70 AMPS @115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN ALL DC OUTPUT MUST BE MAINTAIN

17MSEC IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 85% AT 230V, 50% OF FULL LOAD

LEAKAGE CURRENT : 3.5 MA. MAX. AT NOMINAL VOLTAGE 250VAC

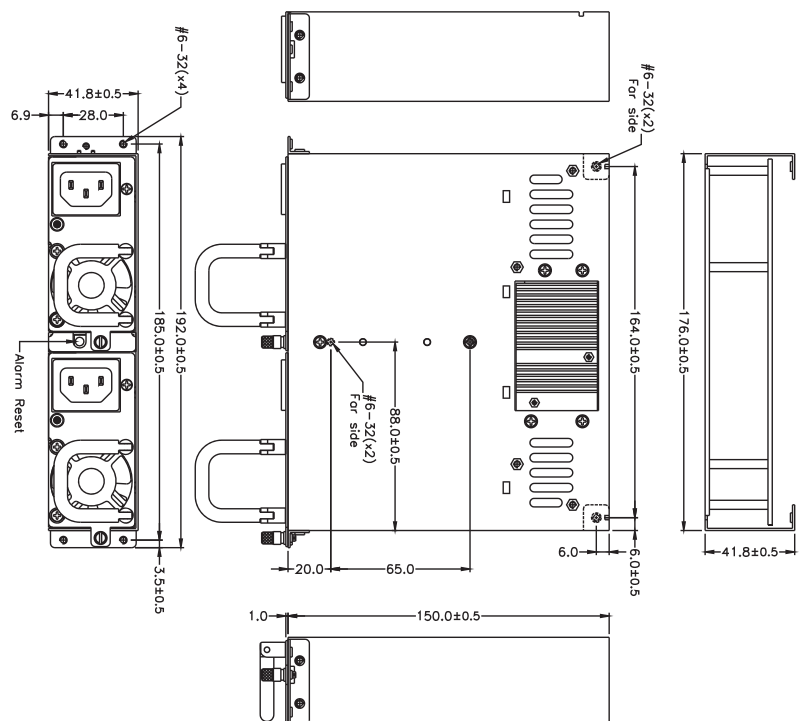
POWER GOOD SIGNAL : ON DELAY 100ms TO 600ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP

WARNING METHOD : AUDIO ALARM(BUZZER SOUND, RESETABLE), FALUT LED, TTL

DIMENSION : 150(D)×176(W)×41.8(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R1S2-5180V4H	180W	14A	14A	12A	X	0.3A	2.5A
R1S2-5300V4H	300W	20A	24A	20A	X	0.5A	2.5A
R1S2-5380V4H	380W	20A	30A	20A	X	0.5A	2.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 140W

R1S2-5180V4H : +5V AND +3.3V TOTAL 70W

R1S2-5180V4H R1S2-5300V4H R1S2-5380V4H

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

WATTAGE	115V	230V
180W	2.5A	1A
300W	4.5A	2A
380W	5.5A	2.5A

INRUSH CURRENT:

60/80 AMPS @115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 16ms

IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : 84% TYPICAL · AT FULL LOAD 115VAC

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1Ms

OUTPUT PROTECTION : OPP / OVP / SCP

WARNING METHOD:AUDIO ALARM(BUZZER SOUND, RESETABLE), FAULT LED, TTL

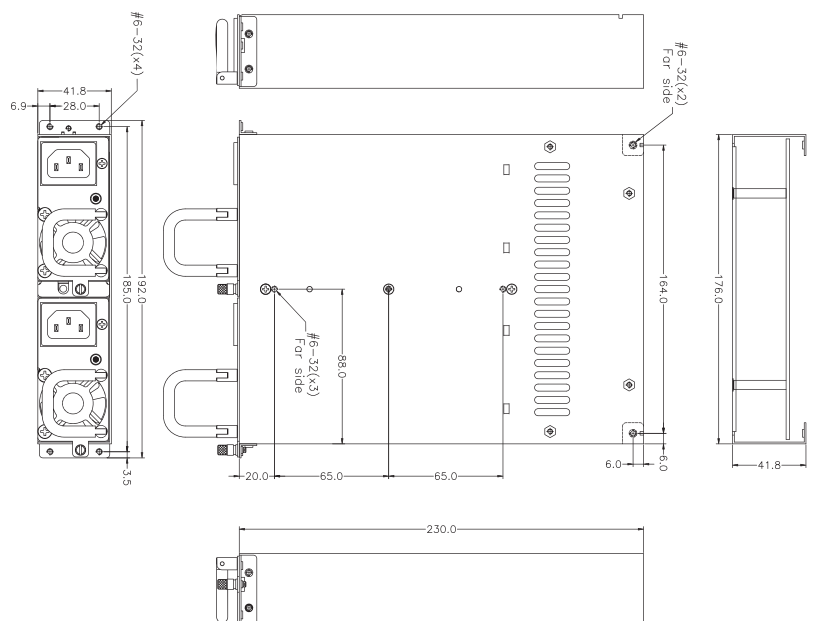
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

DIMENSION : 230(D)×176(W)×41.8(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant



1U Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R1M-6251P	250W	25A	16A	15A	0.5A	0.5A	2A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	150mV	50mV	150mV	150mV	50mV

REMARKS : TOTAL CURRENT OF +5V AND + 3.3V NOT EXCEED 28 A



R1M-6251P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

6.0 / 3.0 A FOR 115 / 230 VAC

INRUSH CURRENT:

60/90A MAX. FOR 115 / 230 VAC PER POWER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL @ FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

BALANCE LOAD SHARING DESIGN

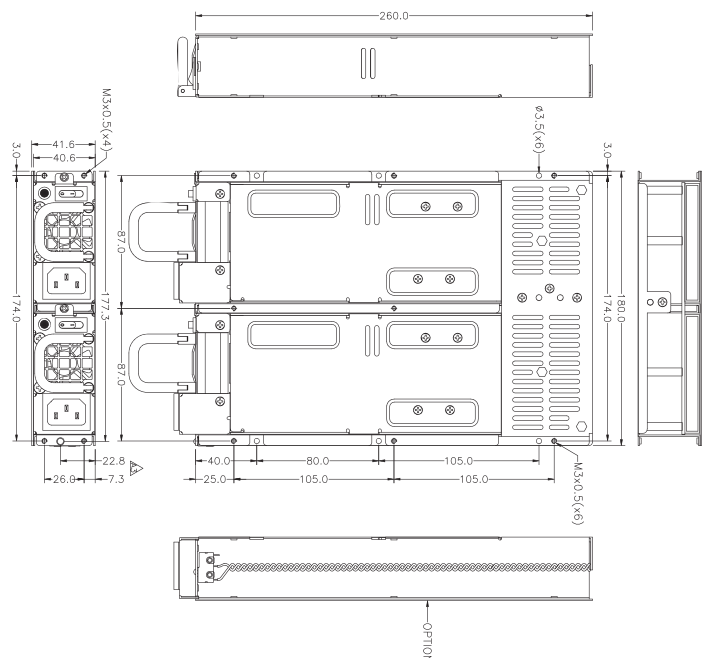
REMOTE SENSING DESIGN

DIMENSION : 40.6(H) X 180(W) X 260 (D) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R1Z-6350P	350W	25A	28A	20A	0.5A	0.8A	2A
R1Z-6400P	400W	25A	28A	20A	0.5A	0.8A	2A
REGULATION LOAD		±5%	±6%	±5%	±10%	+5%.-7%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	150mV	100mV	50mV

REMARKS : TOTAL POWER OF +5V AND + 3.3V NOT EXCEED 175W



R1Z-6350P R1Z-6400P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

8.0 / 5.0 A FOR 115 / 230 VAC

INRUSH CURRENT:

60A / 80A MAX. FOR 115 / 230 VAC PER POWER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL AT 115V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

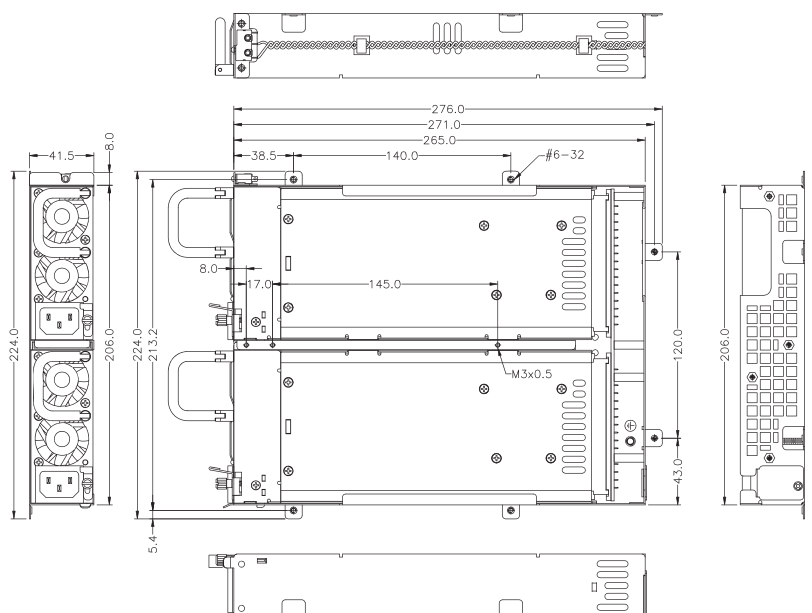
REMOTE SENSING DESIGN

DIMENSION : 265 (D) X 206(W) X 41.5(H) mm ;

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1Z2-6420P	420W	25A	26A	24A	0.5A	1A	2A
REGULATION LOAD		±5%	±6%	±5%	±10%	+5%,-10%	+5%,-6%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	120mV	70mV

REMARKS : POWER MODULE TOTAL CURRENT OF +5V AND +3.3V NOT EXCEED 40A



M1Z2-6420P3H

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

4A (RMS) FOR 230 VAC, 8A (RMS) FOR 115 VAC

INRUSH CURRENT:

60A MAX. FOR 115 VAC PER MODULE, 100A MAX. FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL @ FULL LOAD

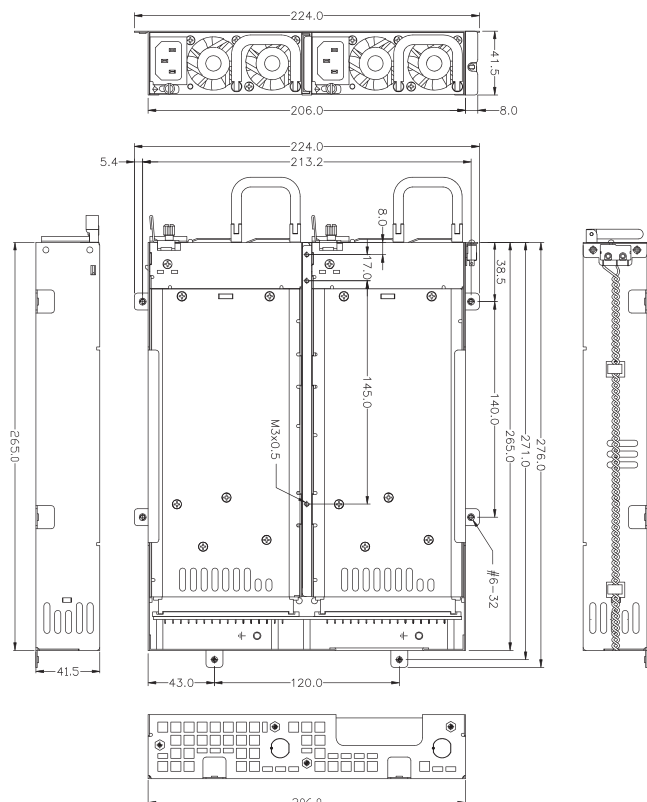
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

3.3V REMOTE SENSING

DIMENSION : 265 (D) x 206 (W) x 41.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
G1W2-5760V3H	760W	32A	62A	32A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 190W; TOTAL OUTPUT MAX : 760W

G1W2-5760V3H

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

11/5.5A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

60/80 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,
FOLLOWING THE STANDARD OF IEC 1000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~ 40°C, STORAGE : -20°C ~ 80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : >80% TYPICAL AT 230 VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

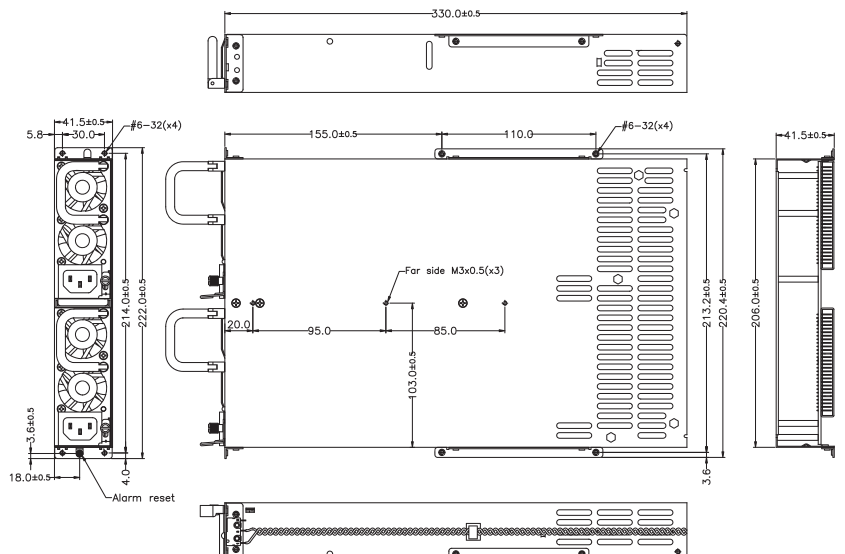
ISOLATION : BUILT-IN THE POWER MODULE

LEAKAGE CURRENT : 3.5 mA. MAX. AT NOMINAL VOLTAGE 250VAC

REMOTE SENSING DESIGN

DIMENSION : 330 (D) x 206 (W) x 41.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant

1U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
RP1U-5240V	240W	20A	20A	20A	X	0.3A	2.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : THE OUTPUT CURRENT OF +5V & +3.3V NOT EXCEED 150 WATTS

RP1U-5240V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 HZ

INPUT CURRENT :

4/2A @ ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT:

35/70A MAX. @ 115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 78%±2 @ 230V FULL LOAD; EFFICIENCY CALCULATION : WHEN

CALCULATING OUTPUT POWER, INTERNAL FAN CURRENT SHALL BE INCLUDED WITH 12V

OUTPUT.

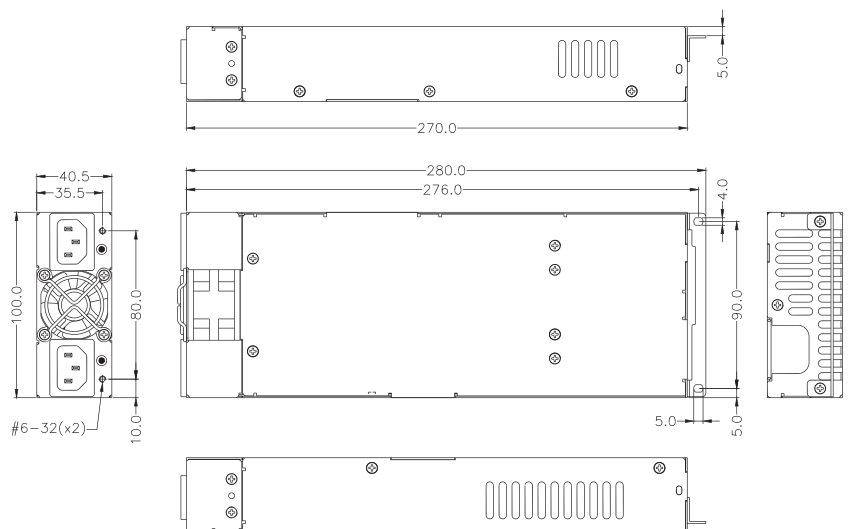
POWER GOOD SIGNAL ON DELAY 100 ms TO 600 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 264VAC

DIMENSION : 270 (D) x 100 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1V2-5800V4V	800W	22A	66A	22A	X	0.5A	3A
M1V2-5801V4V	800W	36A	66A	31A	X	0.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 150W

M1V2-5800V4V M1V2-5801V4V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC / 115~240VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

12/6A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT:

15/30A @ 115/230VAC

POWER FACTOR CORRECTION :

POWER FACTOR CORRECTION PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE-20°C ~ 80°C

HOLD UP TIME : 11ms MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 85% AT 115V, 12V/66A 5VSB/1.6A; TYPICAL 88% AT 230V, 12V/66A 5VSB/1.6A (PER SET)

OUTPUT PROTECTION : OPP / OVP / SCP

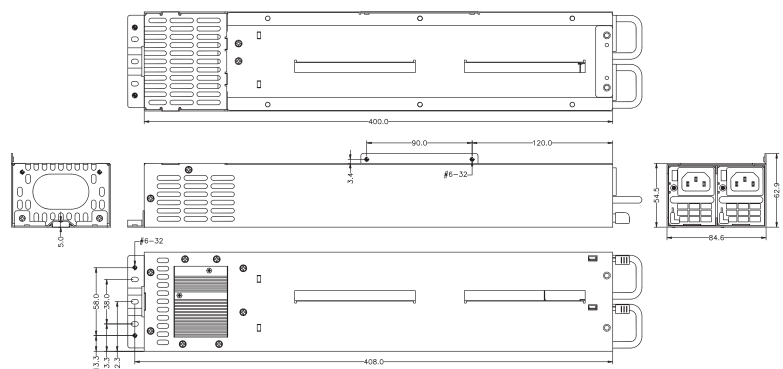
WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

REMOTE SENSING DESIGN

DIMENSION : 400(D) X 54.5(W) X 84.6(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant



2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1U2-5650V4V	650W	22A	54A	22A	X	0.5A	3A
M1U2-5750V4V	750W	22A	62A	22A	X	0.5A	3A
M1U2-5651V4V	650W	36A	54A	31A	X	0.5A	3A
M1U2-5751V4V	750W	36A	62A	31A	X	0.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 150W
(M1U2-5650V4V / M1U2-5750V4V) 210W (M1U2-5651V4V / M1U2-5751V4V)

SPECIFICATION:

TEMPERATURE RANGE: OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 11ms MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 85% @ 115V, 88% @ 230V, FULL LOAD (12V / 54A; 5VSB / 0.4A)

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

REMOTE SENSING DESIGN

DIMENSION : 400(D) X 54.5(W) X 84.6(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

M1U2-5650V4V
M1U2-5750V4V
M1U2-5651V4V
M1U2-5751V4V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

WATTAGE	115V	230V
650W	10A	5A
750W	12A	6A

INRUSH CURRENT:

15/30 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

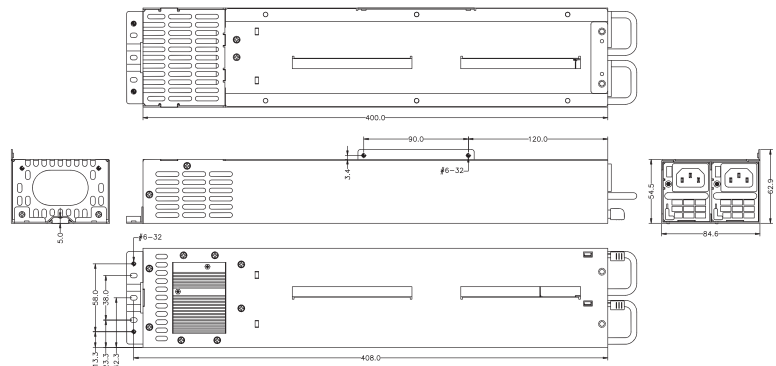
PFC CAN REACH THE TARGET OF 98% AT 110V, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE



2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1K2-5A00V4V	1000W	22A	83A	22A	X	0.5A	3A
M1K2-5C00V4V	1200W	22A	100A	22A	X	0.5A	3A
M1K2-5A01V4V	1000W	36A	83A	31A	X	0.5A	3A
M1K2-5C01V4V	1200W	36A	100A	31A	X	0.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 150W
(M1K2-5A00V4V / M1K2-5C00V4V) 210W (M1K2-5A01V4V / M1K2-5C01V4V)

M1K2-5A00V4V
M1K2-5C00V4V
M1K2-5A01V4V
M1K2-5C01V4V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264 / 110~240 VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

7.5A (RMS) FOR 230VAC, 15A (RMS) FOR 115VAC

INRUSH CURRENT:

15A MAX. FOR 115 VAC PER MODULE, 30A MAX. FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C · STORAGE -20°C ~80°C

HOLD UP TIME : 10mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 83% AT 115V, 12V/100A 5VSB/0.1A; TYPICAL 86% AT 230V, 12V/100A 5VSB/0.1A

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

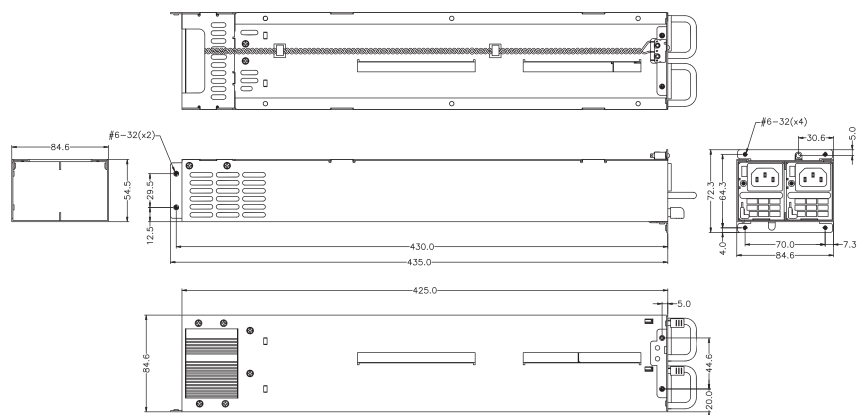
OUTPUT PROTECTION : OPP / OVP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

DIMENSION : 425(D) * 54.5(W) * 84.6(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
PSS2-5A00V3V	1000W	22A	83A	22A	X	0.5A	4A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V & +3.3V NOT EXCEED 150W

PSS2-5A00V3V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264 VAC FULL RANGE

FREQUENCY :

47~63Hz

INPUT CURRENT :

15A/7.5A @ ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT:

15/30AMPS @ 115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,
FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE: OPERATING: 0°C ~ 50°C ; STORAGE: -20°C ~ 80°C

HOLD UP TIME: 5V MUST BE MAINTAIN 10 ms IN REGULATION LIMIT AT 90V INPUT

VOLTAGE

EFFICIENCY: TYPICAL 83% @ 115V, 12V/83A 5VSB/0.8A; TYPICAL 86% AT 230V, 12V/83A

5VSB/0.8A

POWER GOOD SIGNAL: ON DELAY 100 ms TO 500 ms

OUTPUT PROTECTION: OPP / OVP / SCP

FAULTY ALARM METHODS: LED, BUZZER, TTL SIGNAL

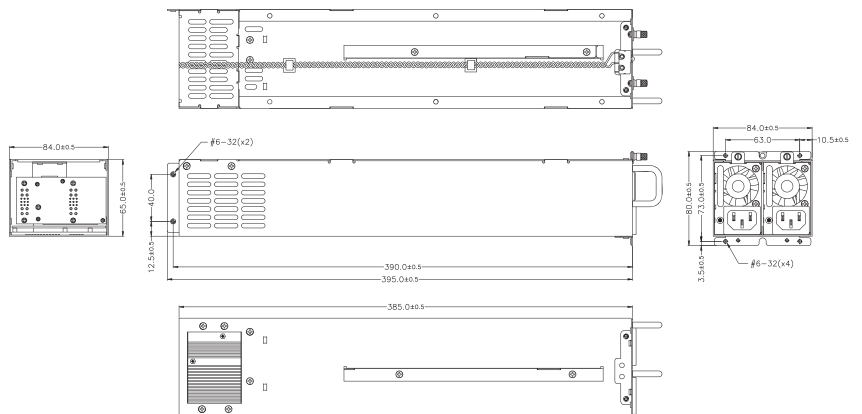
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION: BUILT-IN THE POWER MODULE

REMOTE SENSING DESIGN

DIMENSION: 385(D) x 65(W) x 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MIN2-6251P	250W	25A	16A	15A	0.5A	0.5A	2A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX. 28A

MIN2-6251P

INPUT CHARACTERISTICS:

VOLTAGE :

FULL RANGE 90~264VAC

FREQUENCY :

47~63HZ

INPUT CURRENT :

6/3A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT:

60/90A @115/230VAC AT 25 DEGREES

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16mSEC IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : 65% AT 115VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

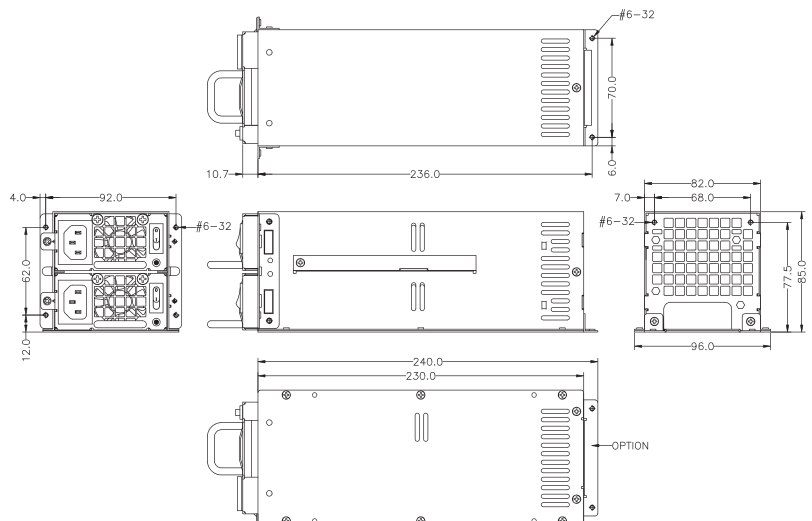
WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

REMOTE SENSING DESIGN

DIMENSION : 230 (D) X 82(W) X 85(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R1S2-5120V0V	120W	10A	10A	10A	X	0.3A	3.0A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 80W;
POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 120W

R1S2-5120V0V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

2/1 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

35/70 AMPS @115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN ALL DC OUTPUT MUST BE MAINTAIN

17MSEC IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 85% AT 230V, 50% OF FULL LOAD

LEAKAGE CURRENT : 3.5 MA. MAX. AT NOMINAL VOLTAGE 250VAC

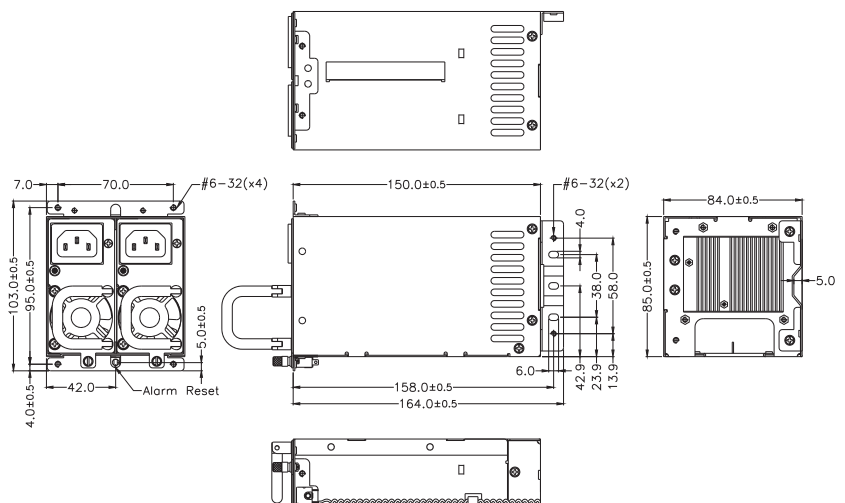
POWER GOOD SIGNAL : ON DELAY 100ms TO 600ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP

WARNING METHOD : AUDIO ALARM(BUZZER SOUND, RESETABLE), FALUT LED, TTL

DIMENSION : 150(D)×85(W)×84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R1S2-5300V4V	300W	20A	24A	20A	X	0.5A	2.5A
R1S2-5380V4V	380W	20A	30A	20A	X	0.5A	2.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 140W

R1S2-5300V4V R1S2-5380V4V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

WATTAGE	115V	230V
300W	4.5	2
380W	5.5	2.5

INRUSH CURRENT:

60/80 AMPS @115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE:OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 16ms

IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : 84% TYPICAL · AT FULL LOAD 115VAC

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

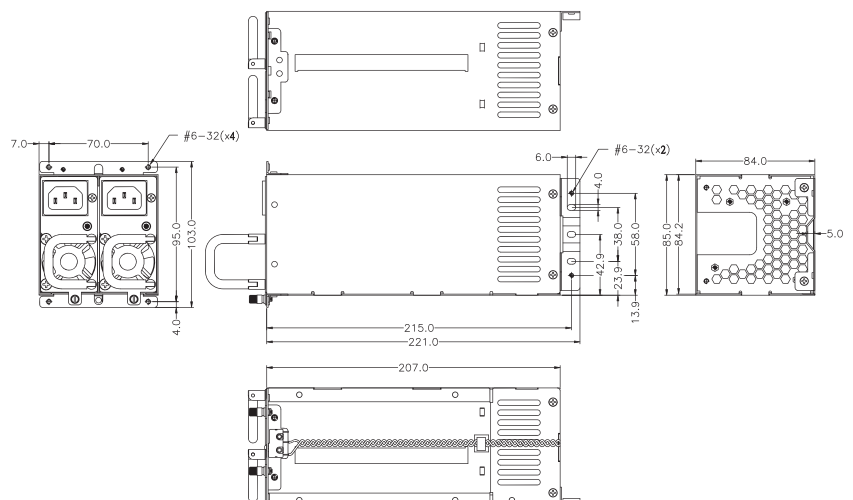
REMOTE SENSING DESIGN

DIMENSION : 207(D)×85(W)×84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant



2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1P2-5420V4V	420W	32A	35A	25A	X	0.5A	3.5A
M1P2-5500V4V	500W	32A	41A	25A	X	0.5A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 170W

M1P2-5420V4V M1P2-5500V4V

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC (WITH ± 10% TOLERANCE)

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

8/4A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT:

40/60A @ 115/230VAC (25°C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C , STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : >80% TYPICAL AT 230 VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

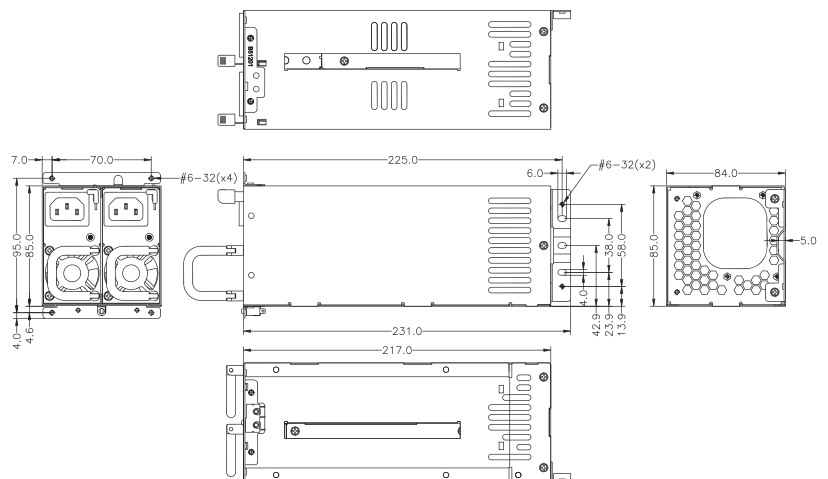
WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

REMOTE SENSING DESIGN

DIMENSION : 217 (D) x 85 (W) x 84 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
GTM2-5400V4V	400W	30A	25A	20A	X	0.8A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : TOTAL CURRENT OF +5V AND +3.3V NOT EXCEED 35A

GTM2-5400V4V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

6/3A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT:

40A MAX. FOR 115 VAC PER MODULE, 60A MAX. FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~45°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 80% TYPICAL @ FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

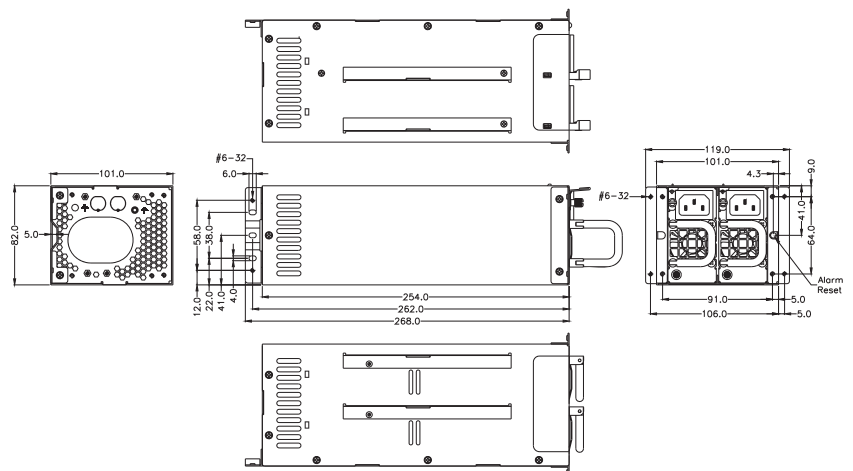
WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

REMOTE ON/OFF CONTROL

DIMENSION : 254 (D) x 101 (W) x 82 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant



2U Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1Z2-6400P	400W	25A	26A	24A	0.5A	1A	2A
M1Z2-6420P	420W	25A	26A	24A	0.5A	1A	2A
REGULATION LOAD		±5%	±6%	±5%	±10%	+5%,-10%	+5%,-6%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	120mV	70mV

REMARKS : POWER MODULE TOTAL CURRENT OF +5V AND +3.3V NOT EXCEED 40A

M1Z2-6400P3V M1Z2-6420P3V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

WATTAGE	115V	230V
400W	8A	4A
420W	8A	4A

INRUSH CURRENT:

60/100 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL @ FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

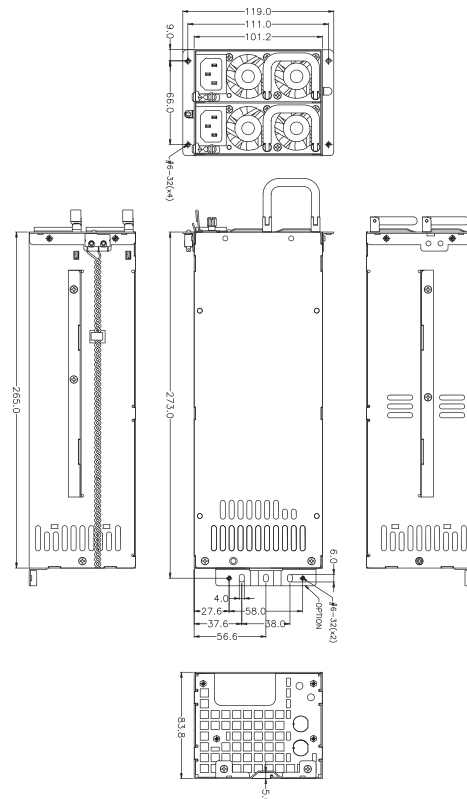
OUTPUT PROTECTION : OPP / OVP / OCP / SCP

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

3.3V REMOTE SENSING DESIGN

DIMENSION : 265 (D) x 101.2 (W) x 84 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1Z2-5400V3V	400W	24A	32A	24A	X	0.8A	3.5A
M1Z2-5460V3V	460W	24A	36A	24A	X	0.8A	3.5A
M1Z2-5500V3V	500W	24A	40A	24A	X	0.8A	3.5A
M1Z2-5550V3V	550W	24A	45A	24A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		70mV	120mV	70mV	X	120mV	70mV

M1Z2-5400V3V
M1Z2-5460V3V
M1Z2-5500V3V
M1Z2-5550V3V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

WATTAGE	115V	230V
400W	6A	3A
460W	6A	3A
500W	8A	4A
550W	8A	4A

INRUSH CURRENT:

35/40 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 80% TYPICAL AT 115VAC, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

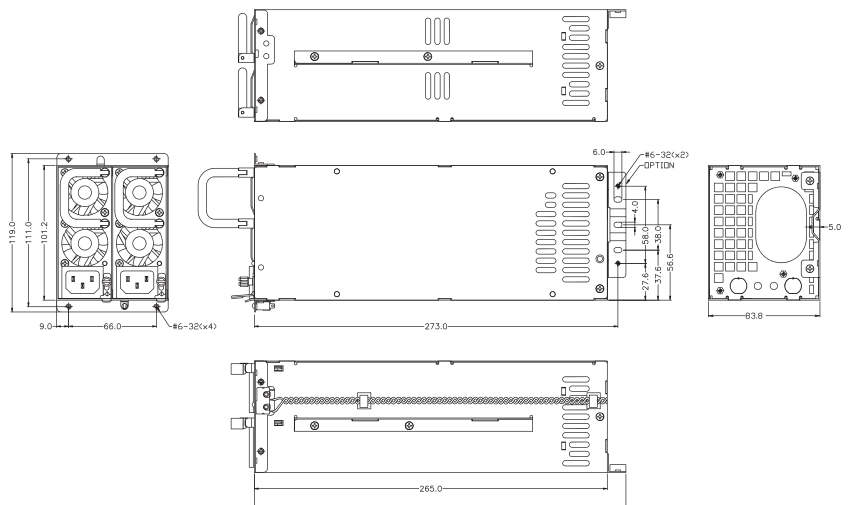
WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

REMOTE SENSING DESIGN

DIMENSION : 265 (D) x 101.2 (W) x 84 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1W2-5600V3V	600W	32A	50A	25A	X	0.8A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	50mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX 170W; TOTAL OUTPUT MAX : 600W

M1W2-5600G0V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

8/4A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

60A MAX. FOR 115 VAC PER MODULE ; 80A MAX. FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V AND 90% @230V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 1000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16ms MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE (TESTED AT 90% OF MAXIMUM LOAD AND OVER 100-240VAC INPUT)

EFFICIENCY : TYPICAL >86% AT 230V, 20%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

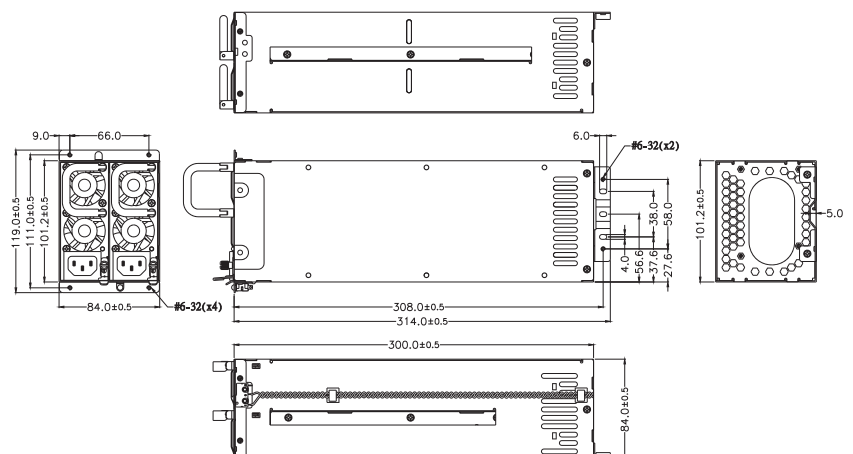
ISOLATION : BUILT-IN THE POWER MODULE

LEAKAGE CURRENT : 3.5 mA. MAX. AT NOMINAL VOLTAGE 250VAC

REMOTE ON/OFF CONTROL

DIMENSION : 300(D) * 101.2(W) * 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1W2-5500V3V	500W	25A	40A	25A	X	0.8A	3.5A
M1W2-5600V3V	600W	25A	48A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 170W

M1W2-5500V3V M1W2-5600V3V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

9/4A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT:

35A MAX. FOR 115 VAC PER MODULE ; 70A MAX. FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SPECIFICATION:

TEMPERATURE RANGE: OPERATING 0°C ~40°C · STORAGE -20°C ~80°C

HOLD UP TIME : 11ms MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

DIELECTRIC WITHSTAND : INPUT/OUTPUT 1500 VAC FOR 1 MINUTE; INPUT TO FRAME

GROUND 1500 VAC FOR 1 MINUTE

EFFICIENCY : TYPICAL 80% AT FULL LOAD 115V

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

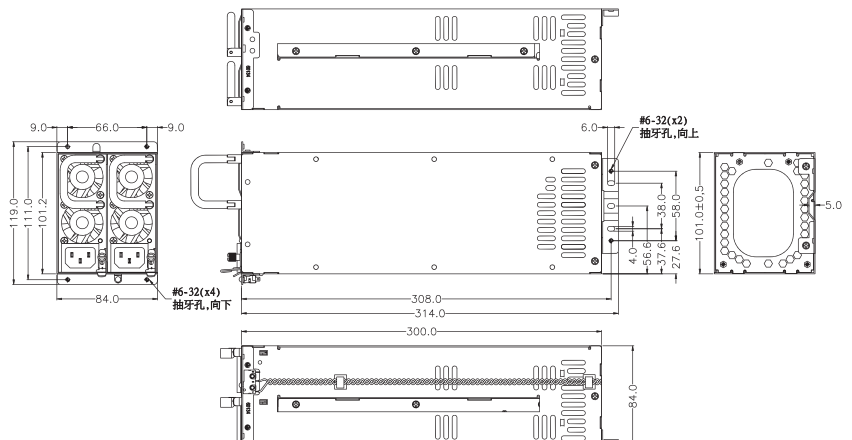
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE SENSING DESIGN

DIMENSION : 300(D) * 101.2(W) * 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1W2-5810V3V	810W	24A	66A	24A	X	1.5A	4A
M1W2-5910V3V	910W	24A	75A	24A	X	1.5A	4A
M1W2-5911V3V	910W	35A	75A	31A	X	0.5A	4A
M1W2-5A10V3V	1010W	24A	83A	24A	X	1.5A	4A
M1W2-5C00V3V	1200W	24A	100A	24A	X	1.5A	4A
M1W2-5E00V3V	1400W	24A	116A	24A	X	1.5A	4A
M1W2-5E01V3V	1400W	35A	116A	31A	X	0.5A	4A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 135W / 210W

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 msec MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE ; 17ms

MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE --- 1200W, 1400W

EFFICIENCY : TYPICAL 84% @ 115VAC, 86% @ 230V, FULL LOAD (1400W : 90%@230V, 5% OF

FULL LOAD)(1200W : 82%@115V, 12V/100A 5VSB/0.5A)

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE SENSING DESIGN

DIMENSION : 300 (D) x 101.2 (W) x 84 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.

M1W2-5810V3V
M1W2-5910V3V
M1W2-5911V3V
M1W2-5A10V3V
M1W2-5C00V3V
M1W2-5E00V3V
M1W2-5E01V3V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

WATTAGE	115V	230V
810W	12A	6A
910W	14A	7A
1010W	15A	7.5A
1200W	15A	7.5A
1400W	15A	10A

INRUSH CURRENT:

15/30 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

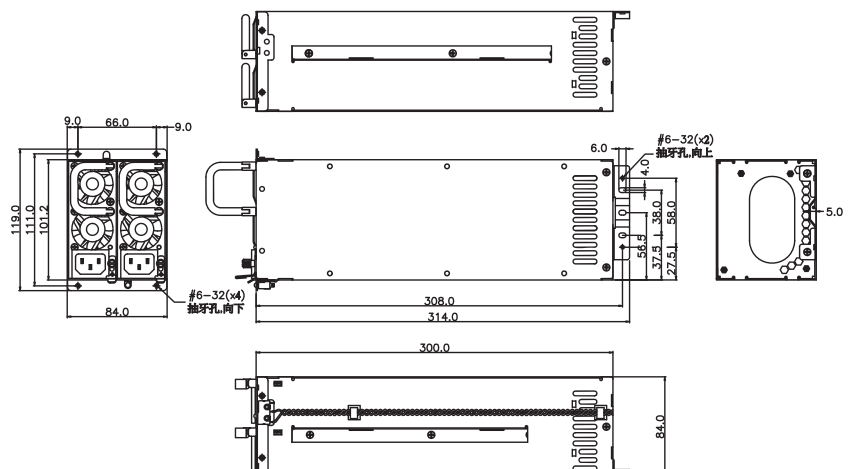
IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC



2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
G1W2-5660V3V	660W	36A	55A	25A	X	0.8A	3.5A
G1W2-5760V3V	760W	32A	62A	32A	X	0.8A	3.5A
G1W2-5860V3V	860W	32A	70A	32A	X	0.8A	3.5A
G1W2-5960V3V	960W	32A	78A	32A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : * +5V AND +3.3V TOTAL OUTPUT MAX : 190W

G1W2-5660V3V
G1W2-5760V3V
G1W2-5860V3V
G1W2-5960V3V

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC (WITH ± 10% TOLERANCE)

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

WATTAGE	115V	230V
660W	10A	5A
760W	11A	5.5A
860W	13A	6.5A
960W	14A	7A

INRUSH CURRENT:

60/80 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C , STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : >80% TYPICAL AT 230 VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

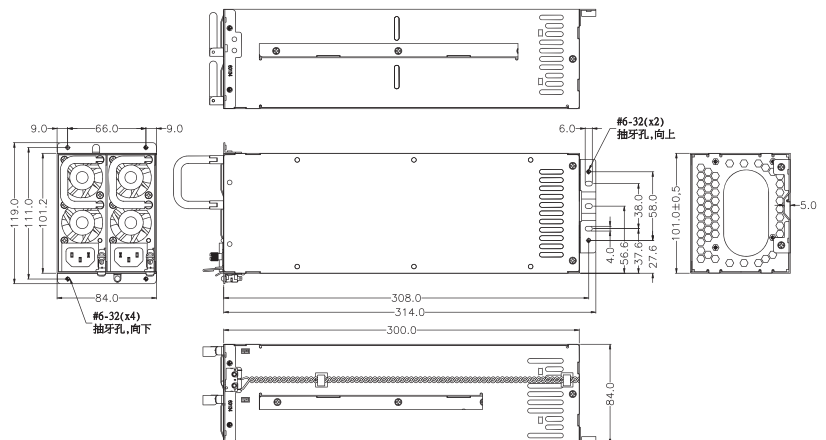
WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

REMOTE SENSING DESIGN

DIMENSION : 300 (D) x 101.2 (W) x 84 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
G1W2-5A10V3V	1010W	32A	83A	32A	X	0.8A	3.5A
G1W2-5C00V3V	1200W	36A	98A	36A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 190W (G1W2-5A10V3V) 210W (G1W2-5C00V3V)

G1W2-5A10V3V G1W2-5C00V3V

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

15/7A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT:

60/80 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C , STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE (G1W2-5A10V3V); 12 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE (G1W2-5C00V3V)

EFFICIENCY : >80% TYPICAL AT 230 VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

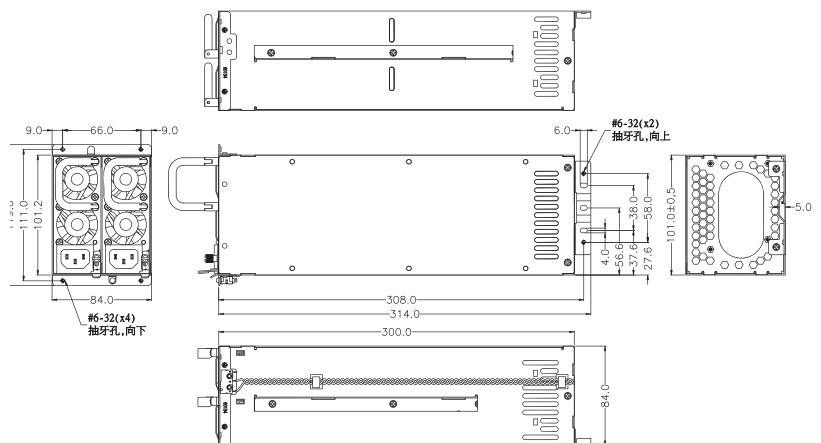
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE SENSING DESIGN

DIMENSION : 300 (D) x 101.2 (W) x 84 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1L2-5650P3V	650W	32A	45A	25A	X	0-1A	0.1-3A
M1L2-5700P3V	700W	32A	45A	25A	X	0-1A	0.1-3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : TOTAL MAX OUTPUT OF +5V AND +3.3V NOT EXCEED 170W.

M1L2-5650P3V M1L2-5700P3V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

10/5A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT:

40/60 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE: OPERATING 0°C ~40°C · STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

DIELECTRIC WITHSTAND : INPUT/OUTPUT 1500 VAC FOR 1 SECOND ; INPUT TO FRAME

GROUND 1500 VAC FOR 1 SECOND

EFFICIENCY : 70% TYPICAL · AT FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

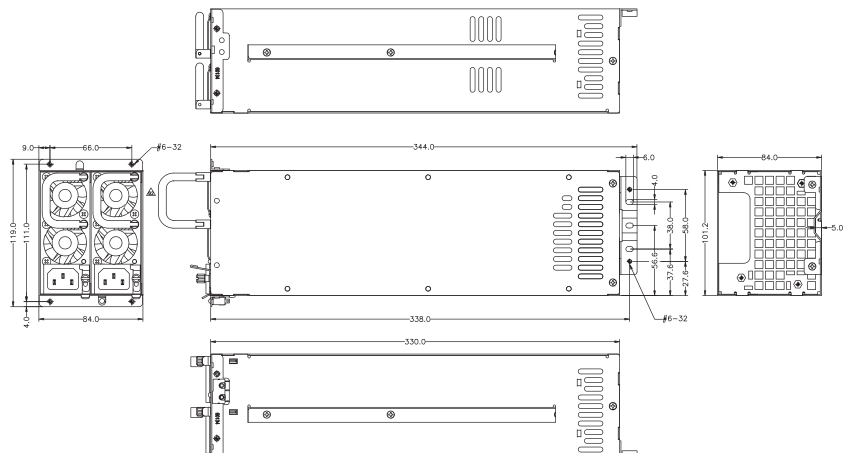
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE SENSING DESIGN

DIMENSION : 330(D) X 101.2(W) X 84(H)mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

2U Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R2Z-6350P	350W	25A	28A	20A	0.5A	0.8A	2A
R2Z-6400P	400W	25A	28A	20A	0.5A	0.8A	2A
REGULATION LOAD		±5%	±6%	±5%	±10%	+5/-7%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	150mV	100mV	50m

REMARKS : TOTAL POWER OF +5V AND + 3.3V NOT EXCEED 175W

R2Z-6350P R2Z-6400P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47~63 Hz

INPUT CURRENT :

8.0 / 5.0 A FOR 115 / 230 VAC

INRUSH CURRENT:

60A / 80A MAX. FOR 115 / 230 VAC PER POWER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C (90~240VAC), 50°C (100~264VAC),

STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL, AT 115 VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

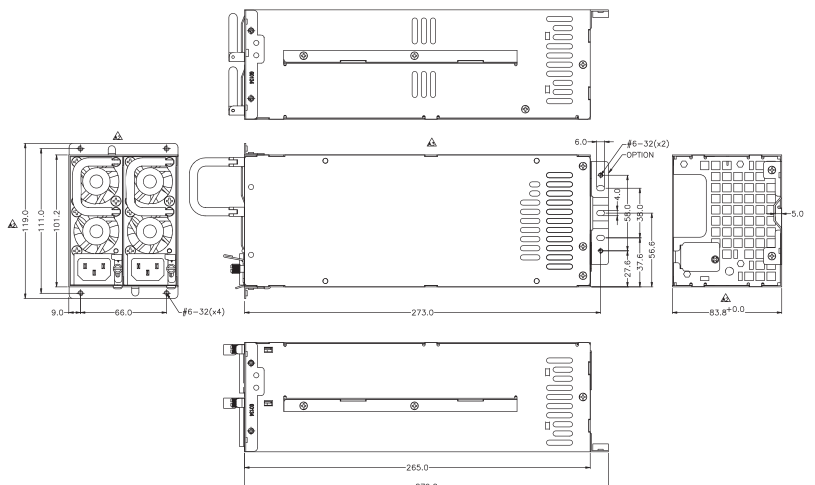
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE SENSING DESIGN

DIMENSION : 265(D) X 101.2(W) X 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R2G-5420P4V	420W	24A	26A	20A	X	0.8A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		70mV	120mV	70mV	X	120mV	70mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX. 32A; +5V, 3.3V AND +12V TOTAL OUTPUT MAX : 395W

R2G-5420P4V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47~63 Hz.

INPUT CURRENT :

3A (RMS) FOR 230 VAC, 6A (RMS) FOR 115 VAC

INRUSH CURRENT:

40A MAX. FOR 110 VAC PER MODULE; 60A MAX. FOR 220 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 72% TYPICAL AT 115V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

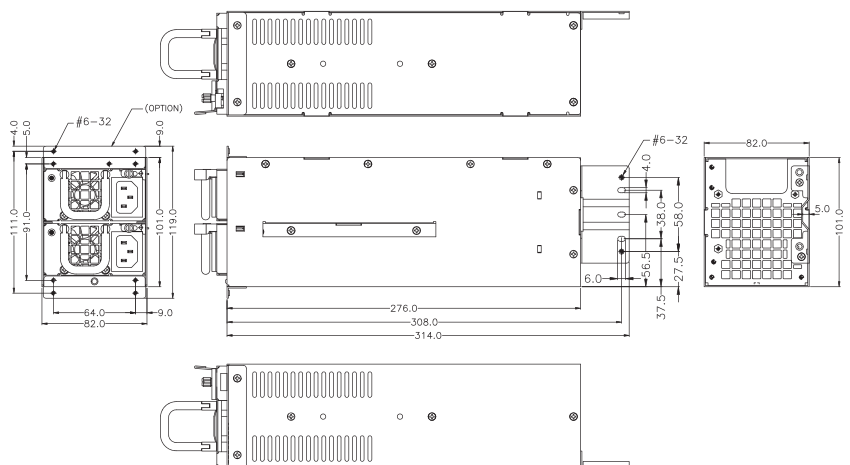
ISOLATION : BUILT-IN THE POWER MODULE

REMOTE SENSING DESIGN

I2C FEATURE (OPTIONAL)

DIMENSION : 276(D) X 101(W) X 82(H) mm – W/O FAN; 300(D) X 101(W) X 82(H) mm – W/ FAN.

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

2U Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R2G-6300P	300W	32A	16A	20A	0.5A	0.8A	1.5A
R2G-6350P	350W	35A	22A	20A	0.5A	0.8A	2A
REGULATION LOAD		±5%	±7% ±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	150mV	150mV	60mV
		80mV	150mV	80mV			80mV

REMARKS : TOTAL CURRENT OF +5V AND + 3.3V NOT EXCEED 32A / 35A

R2G-6300P R2G-6350P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47~63 Hz

INPUT CURRENT :

300W:6A/110V , 3A/220V; 350W:8A/110V,5A/220V

INRUSH CURRENT:

60A / 80A MAX. FOR 110 / 220 VAC PER POWER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST, BSMI

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD NORMAL INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL AT 115V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

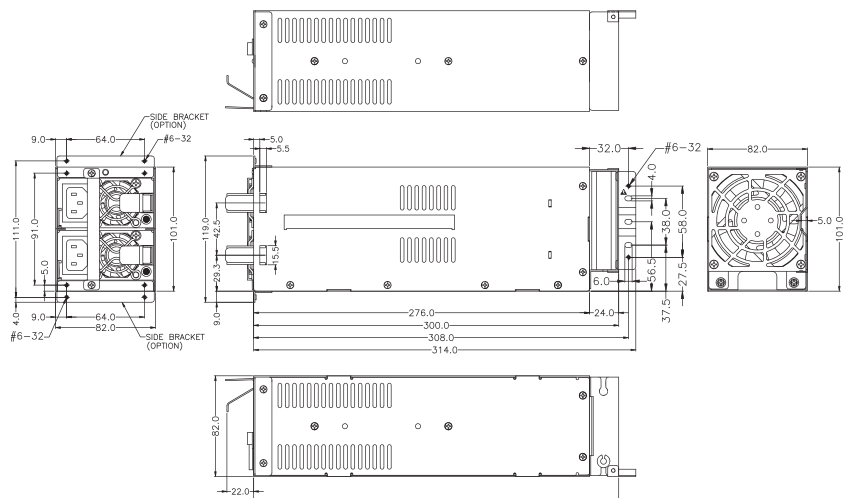
ISOLATION : BUILT-IN THE POWER MODULE

REMOTE SENSING DESIGN

I2C FEATURES (OPTIONAL)

DIMENSION : 276 (D) X 101(W) X 82(H) mm – W/O FAN; 300(D) X 101(W) X 82(H) mm – W/ FAN

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R2G-5420V4V	420W	25A	33A	25A	X	0.8A	3.5A
R2G-5500V4V	500W	25A	40A	25A	X	0.8A	3.5A
R2G-5600V4V	600W	25A	48A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX. 170W

R2G-5420V4V R2G-5500V4V R2G-5600V4V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47~63 Hz.

INPUT CURRENT :

WATTAGE	115V	230V
420W	7	3
500W	8	3
600W	9	4

INRUSH CURRENT:

35/70 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 16 ms

IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : >80% TYPICAL AT 115V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

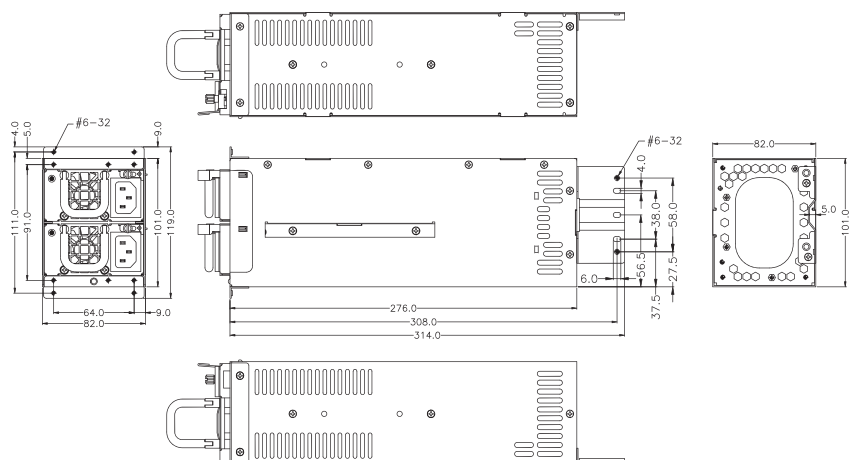
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE SENSING DESIGN

DIMENSION : 276(D) X 101(W) X 82(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant



2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
ATN2-5400V0V	400W	32A	33A	25A	X	0.5A	3.5A
ATN2-5500V0V	500W	32A	41A	25A	X	0.5A	3.5A
ATN2-5600V0V	600W	32A	49A	25A	X	0.5A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V NOT EXCEED 170W

ATN2-5400V0V
ATN2-5500V0V
ATN2-5600V0V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

6/3A MAX AT ANY LOW/HIGH INPUT VOLTAGE (400W)

8/4A MAX AT ANY LOW/HIGH INPUT VOLTAGE (500W)

9/5A MAX AT ANY LOW/HIGH INPUT VOLTAGE (600W)

INRUSH CURRENT:

25 / 50 A @ 115 / 230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 86% (MAX)

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

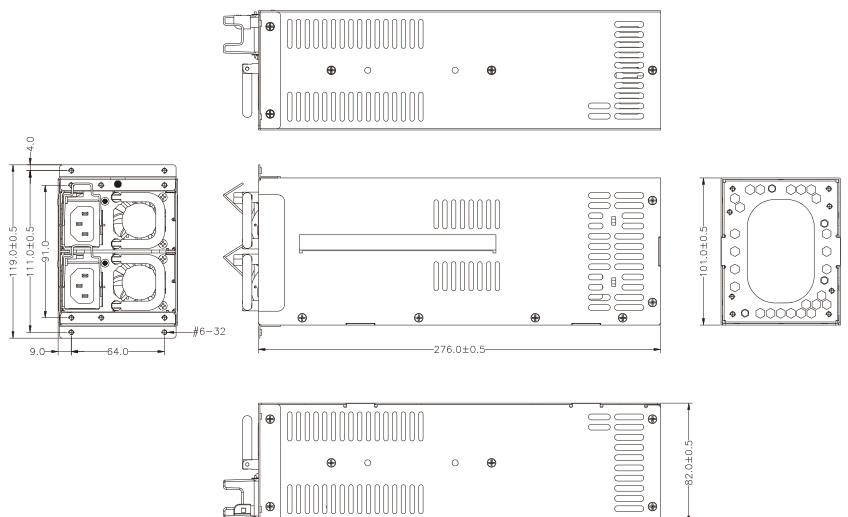
LEAKAGE CURRENT 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE SENSING DESIGN

DIMENSION : 300 (D) x 101 (W) x 82 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
K1S2-5820V4V	820W	32A	67A	32A	X	0.5A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 190W

K1S2-5820V4V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

12/6 A MAX. AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT:

60/80A @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C · STORAGE -20°C ~80°C

HOLD UP TIME : 10mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 83% AT 115V, 12V/100A 5VSB/0.1A; TYPICAL 86% AT 230V, 12V/100A 5VSB/0.1A

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

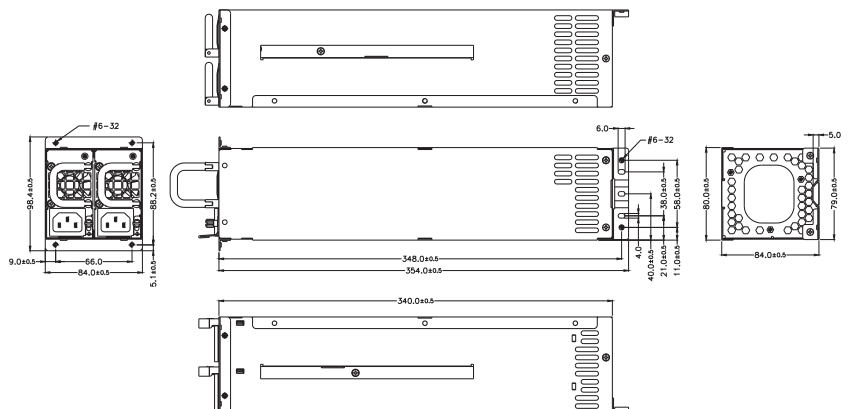
WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

LEAKAGE CURRENT 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 340(D) X 80(W) X 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

2U Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R2W-5600P3V	600W	1-32A	2-42A	1-24A	X	0-1A	0.1-2A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	70mV	50mV	X	70mV	50mV

REMARKS: TOTAL MAX OUTPUT OF +5V AND +3.3V NOT EXCEED 210W



R2W-5600P3V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

10/5A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT:

160A MAX FOR 115 VAC PER MODULE / 180A MAX FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C · STORAGE -20°C ~80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL · AT FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100mS TO 500mS · OFF DELAY 1mS

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

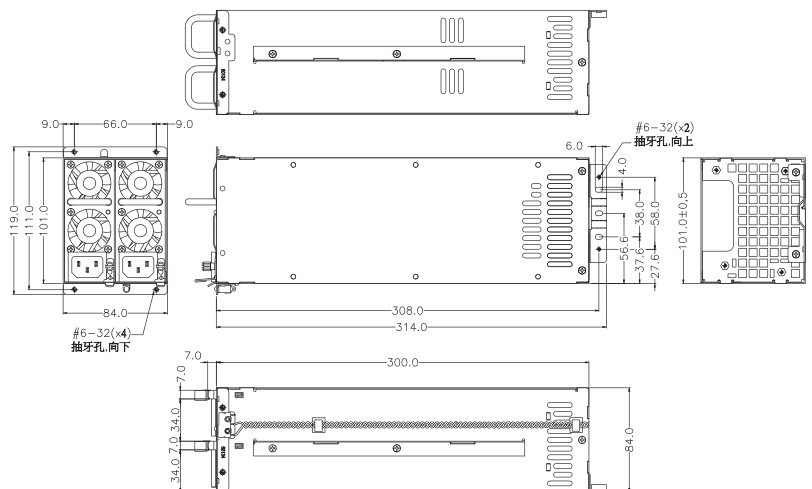
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE SENSING DESIGN

DIMENSION : 300 (D) x 101(W) x 84 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R2W-6400P	400W	26A	28A	24A	0.7A	0.7A	2A
R2W-6460P	460W	30A	32A	24A	0.7A	0.7A	2A
R2W-6500P	500W	30A	32A	24A	0.7A	0.7A	2A
REGULATION LOAD		±5%	±5%	±5%	+5,-10%	+5,-10%	+6,-5%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	120mV	70mV

REMARKS : TOTAL CURRENT OF +5V AND +3.3V NOT EXCEED 43A

R2W-6400P
R2W-6460P
R2W-6500P

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

8/4 AMPS AT ANY LOW/HIGH RANGE OF INPUT VOLTAGE

INRUSH CURRENT:

60/80 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST, BSMI

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 80% TYPICAL, AT FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

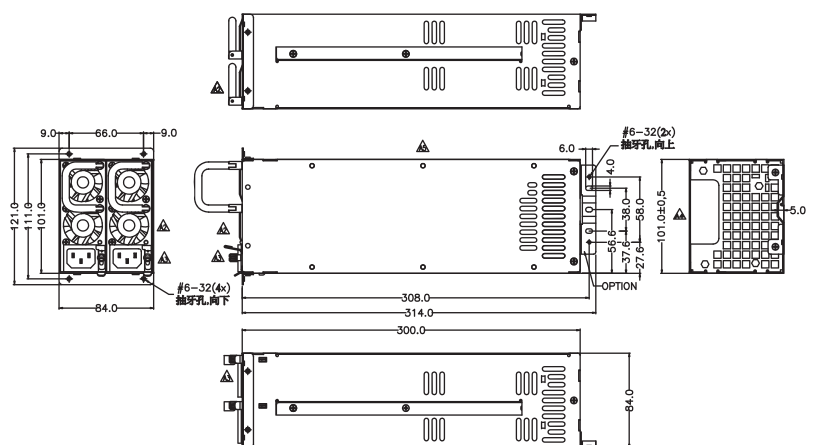
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE SENSING DESIGN

DIMENSION : 300 (D) x 101 (W) x 84 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

2U Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M2W-6460P	460W	30A	32A	24A	0.7A	0.7A	2A
M2W-6500P	500W	30A	32A	24A	0.7A	0.7A	2A
M2W-6550P	550W	30A	36A	24A	0.7A	0.7A	2A
REGULATION LOAD		±5%	±5%	±5%	+5,-10%	+5,-10%	+5,-6%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	120mV	70mV

REMARKS : TOTAL CURRENT OF +5V AND +3.3V NOT EXCEED 40A

M2W-6460P
M2W-6500P
M2W-6550P

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

8/4A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT:

60/100 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST, BSMI

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90VAC INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL @ FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

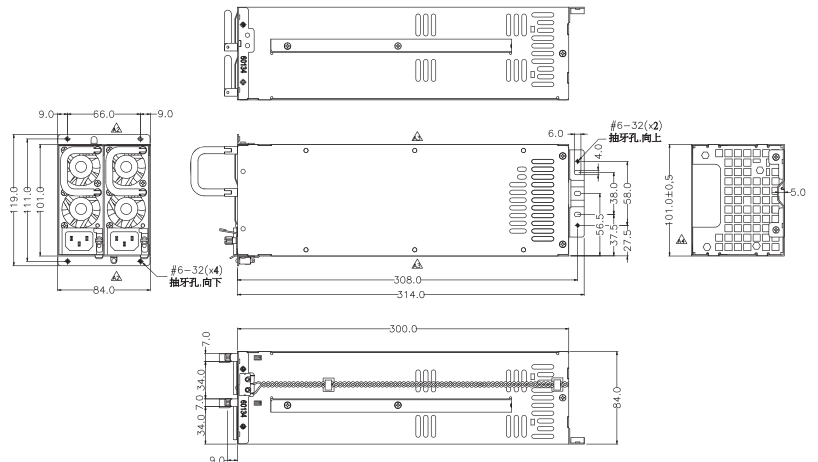
REMOTE SENSING DESIGN

DIMENSION : 300(D) X 101(W) X 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MTW2-5660V3V	660W	32A	50A	36A	X	0.8A	3.5A
MTW2-5760V3V	760W	32A	62A	36A	X	0.8A	3.5A
MTW2-5820V3V	820W	32A	67A	36A	X	0.8A	3.5A
MTW2-5900V3V	900W	32A	72A	36A	X	0.8A	3.5A
MTW2-5901V3V	900W	32A	72A	36A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX. 200W

MTW2-5660V3V
MTW2-5760V3V
MTW2-5820V3V
MTW2-5900V3V
MTW2-5901V3V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

WATTAGE	115V	230V
660W	11	5
760W	12	6
820W	13	6
900W	14	7

INRUSH CURRENT:

40/60 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC,

SPECIFICATION:

TEMPERATURE RANGE: OPERATING 0°C ~45°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16ms IN REGULATOIN LIMIT AT 90VAC INPUT VOLTAGE

EFFICIENCY : >80% AT 115VAC, 30%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

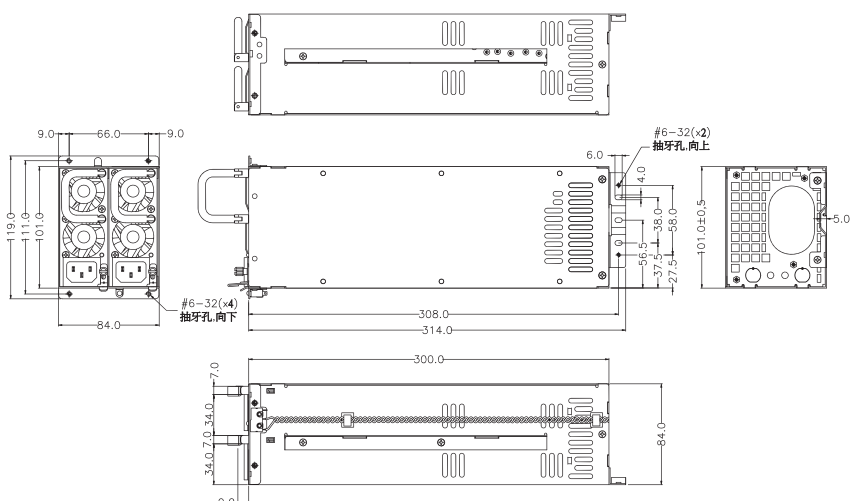
REMOTE SENSING DESIGN

DIMENSION : 300(D) X 101(W) X 84(H)mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant



2U Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R2K-5800V4V	800W	32A	65A	32A	X	0.5A	3.5A
R2K-5A00V4V	1000W	32A	83A	32A	X	0.5A	3.5A
R2K-5C00V4V	1200W	32A	100A	32A	X	0.5A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT 190W

R2K-5800V4V
R2K-5A00V4V
R2K-5C00V4V

INPUT CHARACTERISTICS:

VOLTAGE :

100~240±10%VAC(OUTPUT 1000W); 200~240±10%VAC
(OUTPUT 1200W)

FREQUENCY :

47 ~ 63Hz.

INPUT CURRENT :

WATTAGE	115V	230V
800W	12A	6A
1000W	15A	9A
1200W	X	9A

INRUSH CURRENT:

WATTAGE	115V	230V
800W	18A	36A
1000W	25A	50A
1200W	X	50A

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 16mSEC IN

REGULATION LITMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 86% MAX @ 230V (ANY DIFFERENCE EITHER ON THE DC OUTPUT

CABLE(I.E., LENGTH, WIRE GAUGE) OR ON THE ACCURATE OF INSTRUMENTS WILL

CONCLUDE DIFFERENT TEST RESULT.

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

LEAKAGE CURRENT 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

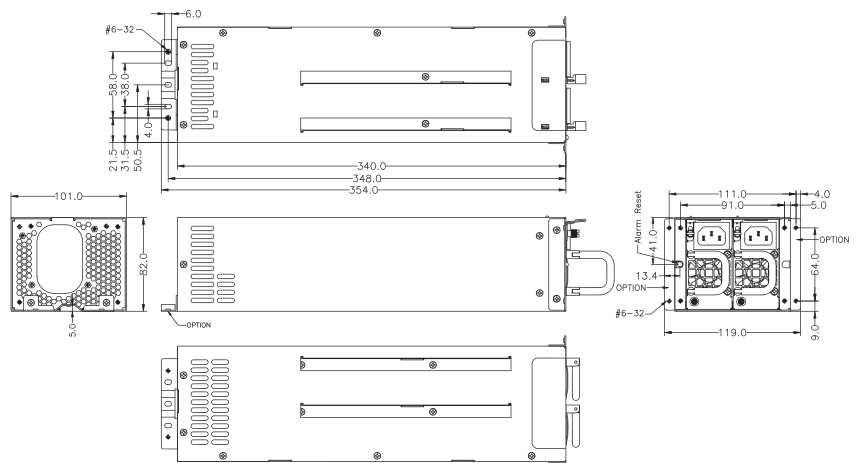
REMOTE ON/OFF CONTROL

DIMENSION : 340(D) X 101(W) X 82(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant



2U Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R2A-5350P	350W	35A	8A	35A	X	0.8A	2A
REGULATION LOAD		±5%	±7%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	150mV	60mV

REMARKS : +5V AND +3.3V TOTOAL OUTPUT MAX. 60A

R2A-5350P

INPUT CHARACTERISTICS:

VOLTAGE :

FULL RANGE 90~264VAC

FREQUENCY :

47~63HZ

INPUT CURRENT :

7.0 / 3.5 A FOR 110 / 220 VAC

INRUSH CURRENT:

90A / 130A MAX. FOR 110 / 220 VAC PER POWER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0~40 degrees centigrade, STORAGE -20~80 DEGREES CENTIGRADE

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 65% AT 115V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

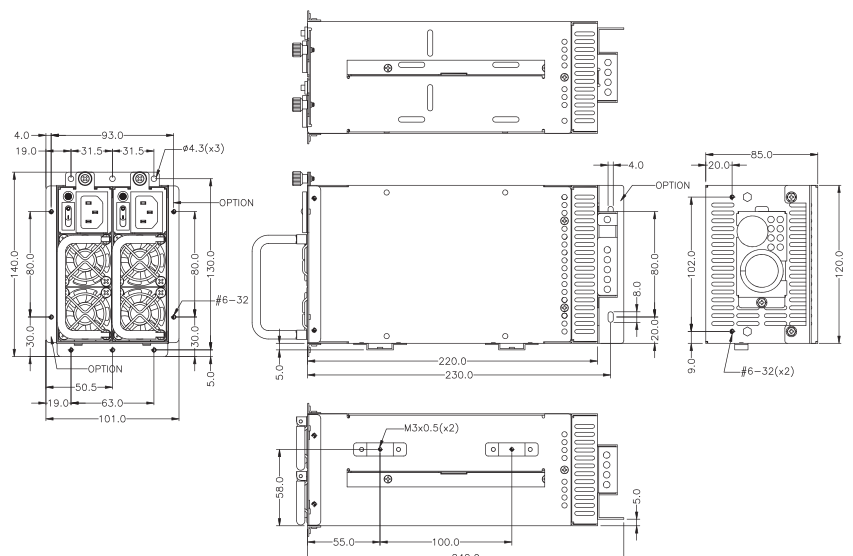
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE SENSING DESIGN

DIEMENSION : 220 (D) X 120 (W) X 85(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R2A-6300P	300W	32A	16A	20A	0.5A	0.8A	2A
R2A-6320P	320W	32A	16A	20A	0.5A	0.8A	2A
REGULATION LOAD		±5%	±7%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	60mV

REMARKS : TOTAL CURRENT OF +5V AND + 3.3V NOT EXCEED 35 A



R2A-6300P R2A-6320P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

6.0 / 3.0 A FOR 110 / 220 VAC

INRUSH CURRENT:

50A / 80A MAX. FOR 110 / 220 VAC PER POWER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL AT 115V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

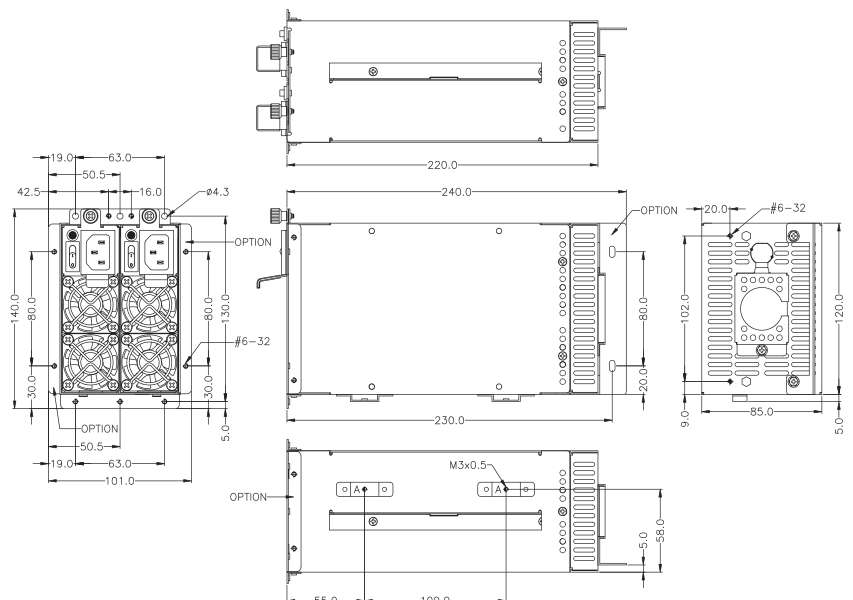
REMOTE SENSING DESIGN

DIMENSION : 220 (D) X 120(W) X 85(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Mini Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
RSPM-6300P	300W	32A	16A	16A	0.5A	1A	2A
REGULATION LOAD		±5%	±7%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	60mV

REMARKS : TOTAL CURRENT OF +5V AND +3.3V NOT EXCEED 32A

RSPM-6300P

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

6.0 A /3.0 A @ 115VAC/230VAC

INRUSH CURRENT:

60 A @ 110 VAC, 80 A MAX. FOR 220 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 150 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 63% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

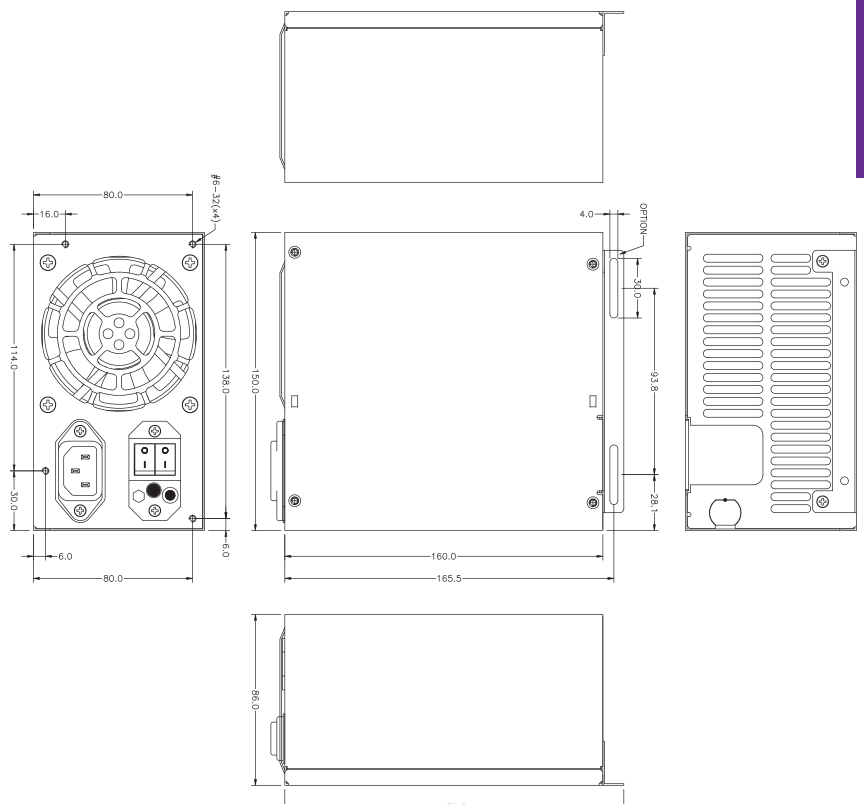
LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION:160(D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Mini Redundant



Mini Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRP-6420P	420W	35A	20A	20A	0.5A	1.2A	2A
REGULATION LOAD		±5%	±6%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	60mV

REMARKS : NEITHER +5V & + 3.3V NOR +3.3V & 12V SHOULD EXCEED 48A

MRP-6420P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

8.0 / 4.0 A @ 115 / 230 VAC

INRUSH CURRENT:

60A / 80A MAX. @ 115 / 230 VAC PER POWER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE / HOT-PLUGGABLE REDUNDANCY FUNCTION

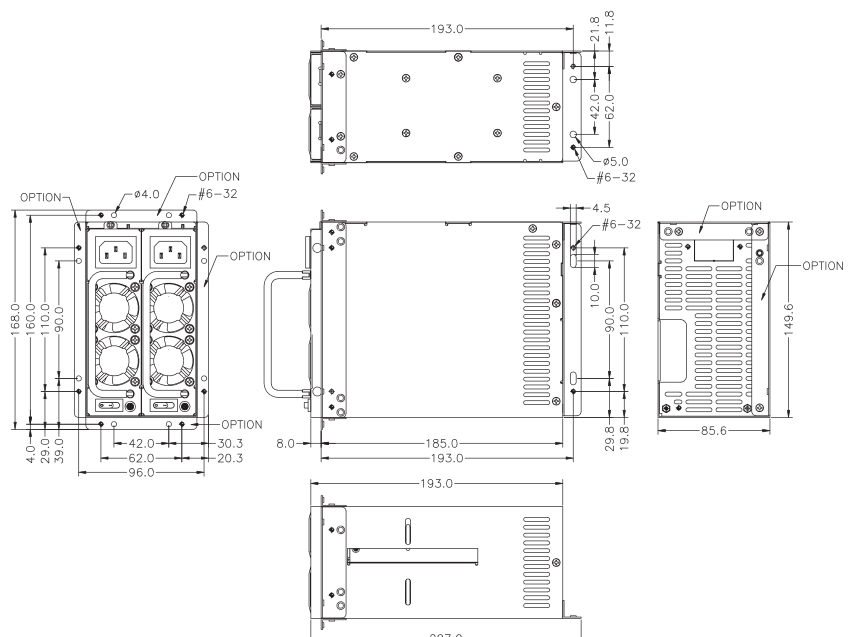
BALANCE LOAD SHARING DESIGN

REMOTE SENSING DESIGN

ISOLATION : BUILT-IN IN THE POWER MODULE

DIMENSION : 185 (D) X 150(W) 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Mini Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRT-6300P	300W	25A	16A	18A	0.5A	0.5A	2A
MRT-6320P	320W	25A	16A	18A	0.5A	0.5A	2A
REGULATION LOAD		±5%	±7%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	50mV

REMARKS : TOTAL CURRENT OF +5V AND + 3.3V NOT EXCEED 35 A

+5V,+3.3V&+12V TOTAL MAX : 282W / 302W

MRT-6300P MRT-6320P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

6.0 / 3.0 A @ 115 / 230 VAC

INRUSH CURRENT:

60A / 80A MAX. @ 115 / 230 VAC PER POWER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE:OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE / HOT-PLUGGABLE REDUNDANCY FUNCTION

BALANCE LOAD SHARING DESIGN

REMOTE SENSING DESIGN

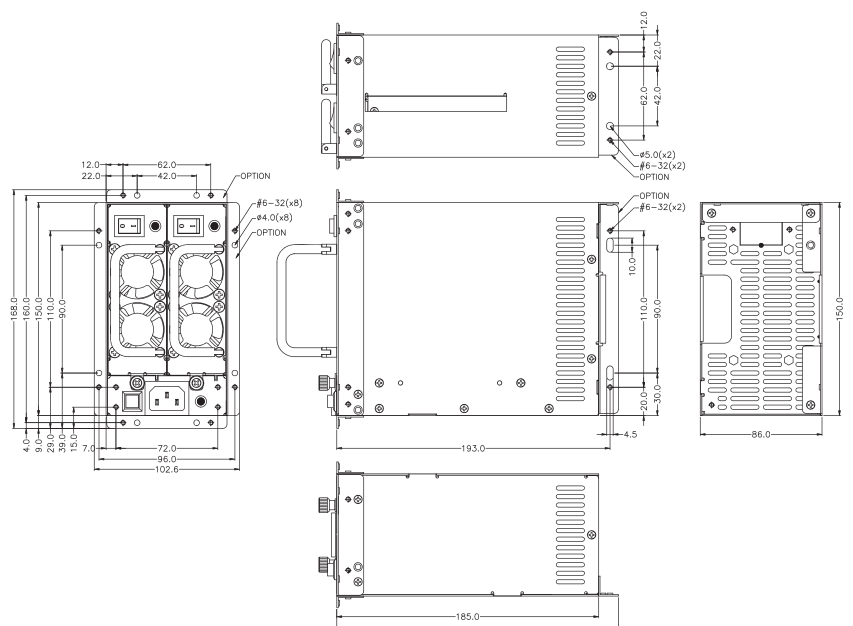
ISOLATION : BUILT-IN IN THE POWER MODULE

DIMENSION : 185 (D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Mini Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRT-5320G0V	320W	25A	26A	20A	X	0.5A	3A
REGULATION LOAD		±5%	±7%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	50mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT CURRENT : 150W

MRT-5320G0V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

5 / 3A @ 115 / 230 VAC

INRUSH CURRENT :

25/50 AMPS @115/230 VAC (AT 25 DEGREES AMBIENT COLD START FOR EACH POWER UNIT)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 1000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~ 80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : THE MAXIMUM POWER SUPPLY SYSTEM EFFICIENCY SHALL BE 87.8%, MEASURED AT NOMINAL INPUT VOLTAGE 230 V AND FULL LOADING.

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE / HOT-PLUGGABLE REDUNDANCY FUNCTION

BALANCE LOAD SHARING DESIGN

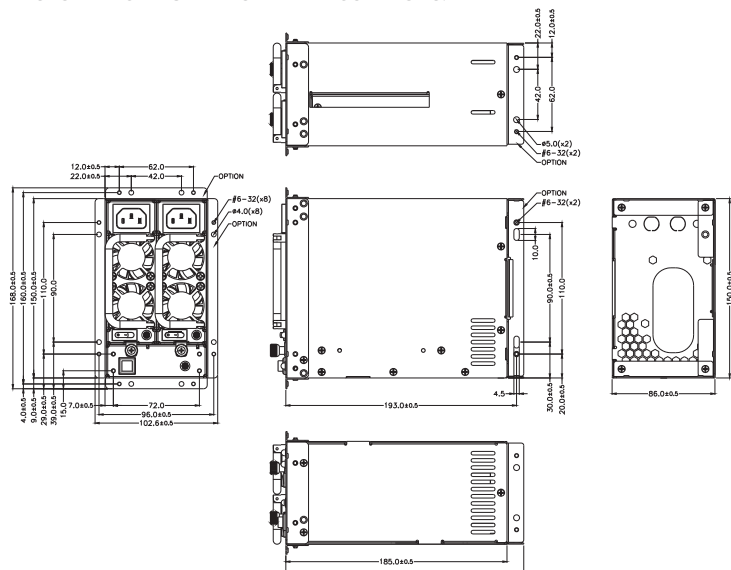
REMOTE ON/OFF CONTROL

LEAKAGE CURRENT : 3.5mA. RMS. MEASUREMENT WILL BE MADE AT 240VAC AND 60HZ.

ISOLATION : BUILT-IN IN THE POWER MODULE

DIMENSION : 185 (D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Mini Redundant

AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRW-6350P	350W	35A	22A	25A	0.5A	1.2A	2A
MRW-6400P	400W	35A	28A	25A	0.5A	1.2A	2A
MRW-6420P	420W	35A	28A	25A	0.5A	1.2A	2A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	60mV

NEITHER +5V AND +3.3V , NOR +3.3V AND +12V SHOULD EXCEED 40 / 48 / 48A +5V,+3.3V AND +12V TOTAL MAX : 330/378/398W

MRW-6350P
MRW-6400P
MRW-6420P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

8/4 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT:

60/80 AMPS @110/220 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT NORMAL INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE / HOT-PLUGGABLE REDUNDANCY FUNCTION

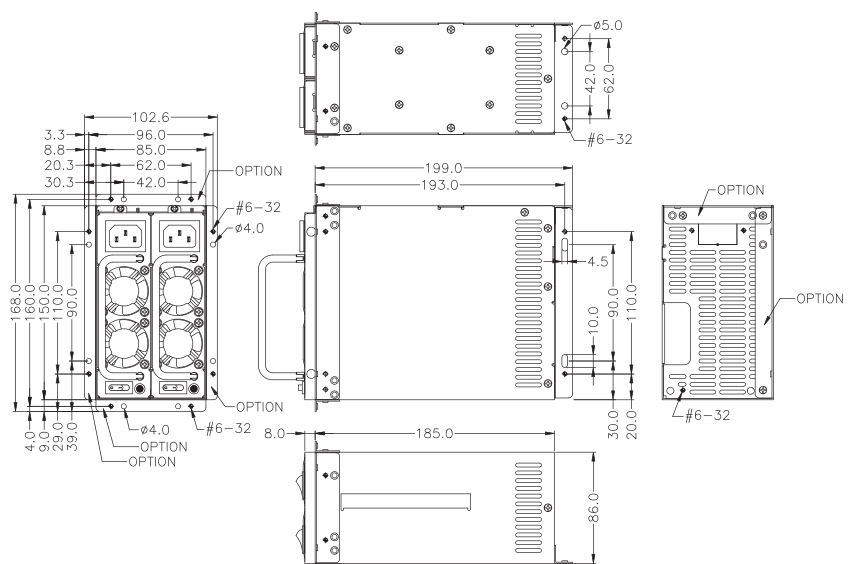
BALANCE LOAD SHARING DESIGN

REMOTE SENSING DESIGN

ISOLATION : BUILT-IN IN THE POWER MODULE

DIMENSION : 185 (D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Mini Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRW-5450V	450W	25A	37A	25A	X	0.8A	3.5A
MRW-5500V	500W	25A	41A	25A	X	0.8A	3.5A
MRW-5600V	600W	25A	49A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL MAX. POWER : 170W

MRW-5450V4V
MRW-5500V4V
MRW-5600V4V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

WATTAGE	110V	220V
450W	7A	3A
500W	8A	4A
600W	9A	4A

INRUSH CURRENT:

25 / 50 AMPS @ 110 / 220 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C ; STORAGE TEMPERATURE : -20°C – 80°C

HOLD UP TIME : 16mS MINIMUM AT NOMINAL INPUT VOLTAGE

EFFICIENCY : TYPICAL >80% @ 115V, 25%~100% MAX LOAD

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

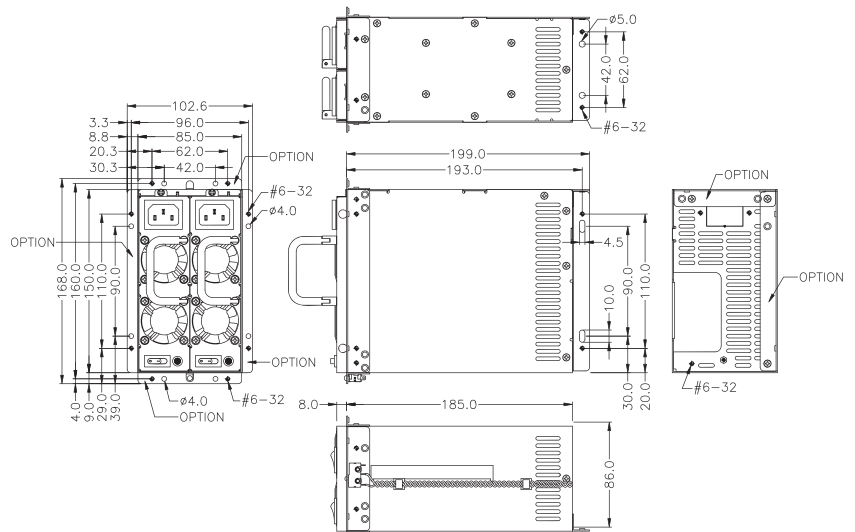
OUTPUT PROTECTION : OPP / OVP / OVP / SCP

HOT-SWAPPABLE / HOT-PLUGGABLE REDUNDANCY FUNCTION

I2C FEATURES (OPTIONAL)

DIMENSION : 185 (D) x 150 (W) x 86 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Mini Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRG-6460P	460W	35A	32A	25A	0.8A	1A	2.5A
MRG-6500P	500W	35A	32A	25A	0.8A	1A	2.5A
REGULATION LOAD		±5%	±6%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	60mV

REMARKS : TOTAL CURRENT OF +5V & +3.3V NOT EXCEED 45A

+3.3V & +12V TOTAL MAX : 50

+5V,+3.3V & +12V TOTAL MAX : 432/472W

MRG-6460P MRG-6500P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

8.0A/9.0A @115V; 4.0A/ 4.5 A @ 230 VAC

INRUSH CURRENT:

60A / 65A @ 115V; 80A / 125A @230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL AT 115V @ FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE / HOT-PLUGGABLE REDUNDANCY FUNCTION

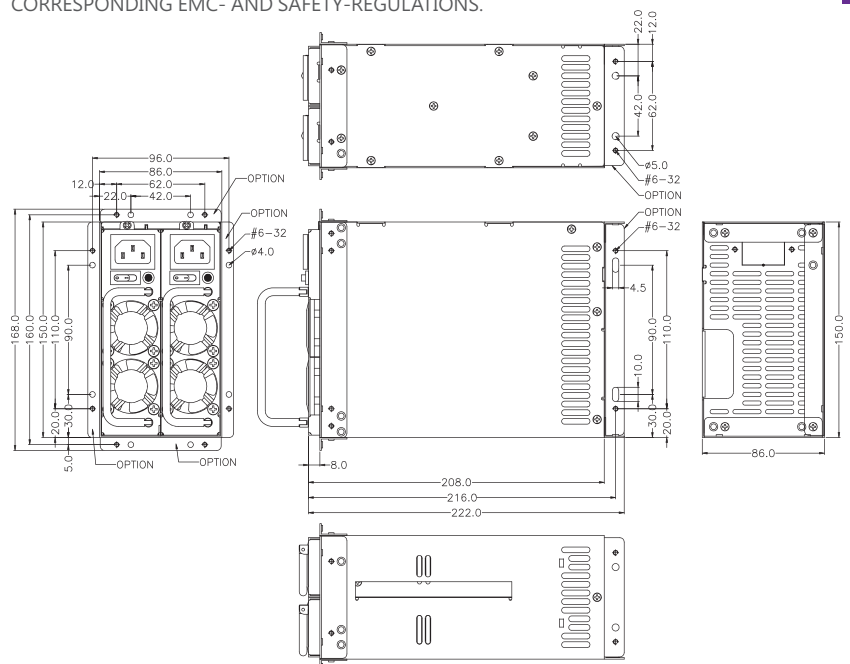
BALANCE LOAD SHARING DESIGN

REMOTE SENSING DESIGN

ISOLATION : BUILT-IN IN THE POWER MODULE

DIMENSION : 200 (D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Mini Redundant

Mini Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRG-5700V	700W	32A	57A	32A	X	0.8A	3.5A
MRG-5800V	800W	32A	65A	32A	X	X	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	100mV	50mV	50mV

REMARKS : TOTAL OUTPUT OF +5V & +3.3V NOT EXCEED 190W

MRG-5700V4V MRG-5800V4V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

WATTAGE	115V	230V
700W	9A	5A
800W	11A	5A

INRUSH CURRENT:

35A @ 115V; 75A @ 230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : DC OUTPUT 12V MUST BE MAINTAIN 16 ms IN REGULATION LIMIT AT

NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL >80% AT 115V, 25%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE / HOT-PLUGGABLE REDUNDANCY FUNCTION

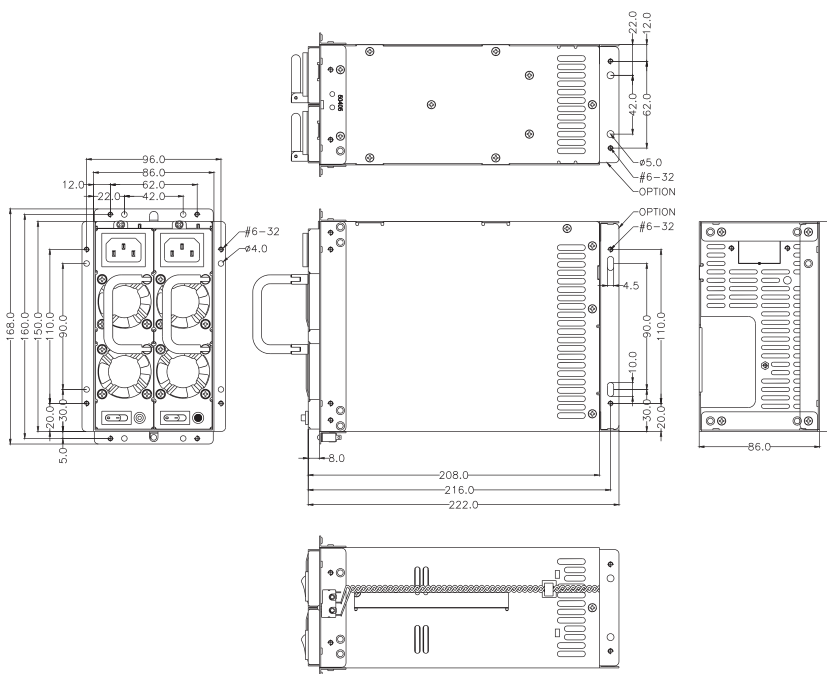
REMOTE ON/OFF CONTROL

DIMENSION : 200 (D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Mini Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R2U-6300P	300W	25A	16A	18A	0.5A	0.5A	1.5A
REGULATION LOAD		±5%	±7%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	150mV	150mV	60mV

REMARKS : TOTAL CURRENT OF +5V AND + 3.3V NOT EXCEED 35A

R2U-6300P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

6.0 / 3.0 A @ 115 / 230 VAC

INRUSH CURRENT:

60A / 80A @ 115 / 230 VAC PER POWER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,
FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE :OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON / OFF CONTROL

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE / HOT-PLUGGABLE REDUNDANCY FUNCTION

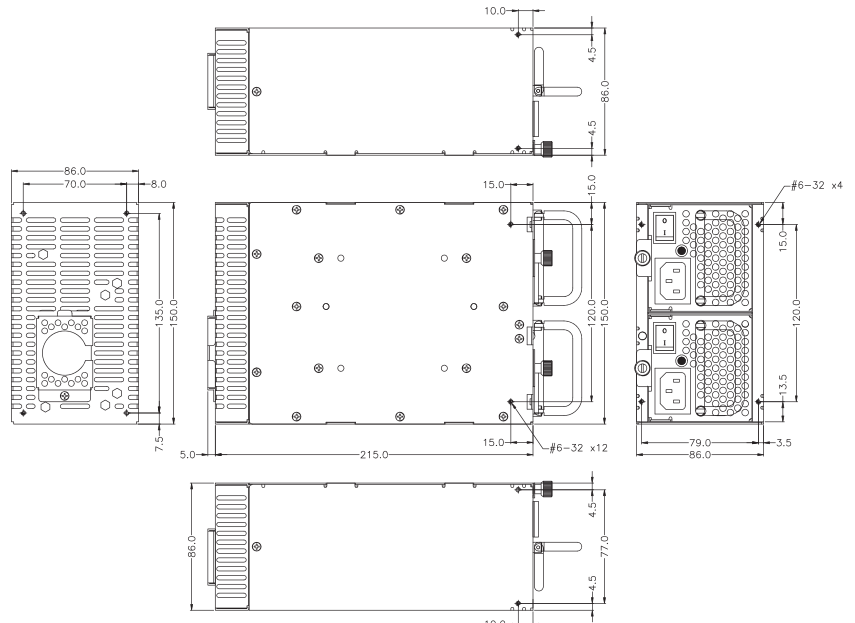
BALANCE LOAD SHARING DESIGN

REMOTE SENSING DESIGN

ISOLATION : BUILT-IN IN THE POWER MODULE

DIMENSION : 215 (D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE
OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH
CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Mini Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MX3-6550P	550W	60A	40A	36A	1A	1A	2.5A
MX3-6600P	600W	60A	40A	36A	1A	1A	2.5A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	120mV	120mV	50mV

REMARKS : TOTAL CURRENT OF +5V AND + 3.3V NOT EXCEED 70A

MX3-6550P MX3-6600P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

WATTAGE	110V	220V
550W	9A	5A
600W	9A	5A

INRUSH CURRENT:

80 / 100 AMPS @ 110 / 220 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD AT 115VAC

EFFICIENCY : 63% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

2+1, HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

N+1 BALANCE LOAD SHARING DESIGN ON 5/12/3.3V CHANNEL

REMOTE SIGNAL DESIGN

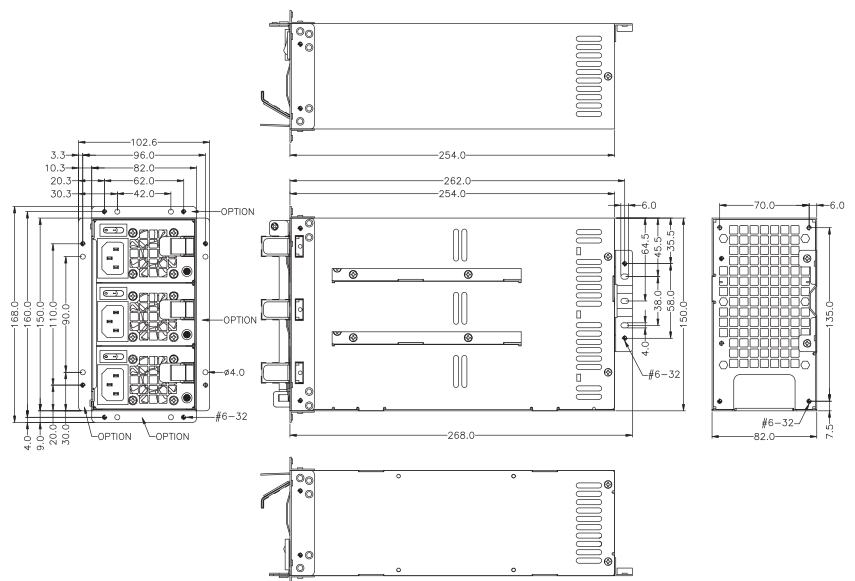
ISOLATION : BUILT-IN THE POWER MODULE

DIMENSION:254 (D) x 150 (W) x 82 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Mini Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MX3-5700P	700W	50A	52A	38A	X	1A	3.5A
MX3-5750P	750W	52A	56A	40A	X	1A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	150mV	50mV

REMARKS : TOTAL CURRENT OF +5V AND + 3.3V NOT EXCEED 70A

MX3-5700P MX3-5750P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

WATTAGE	110V	220V
700W	12A	5A
750W	13A	5A

INRUSH CURRENT:

110 / 150 AMPS @ 110 / 220 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD AT 115VAC

EFFICIENCY : 65% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

2+1, HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

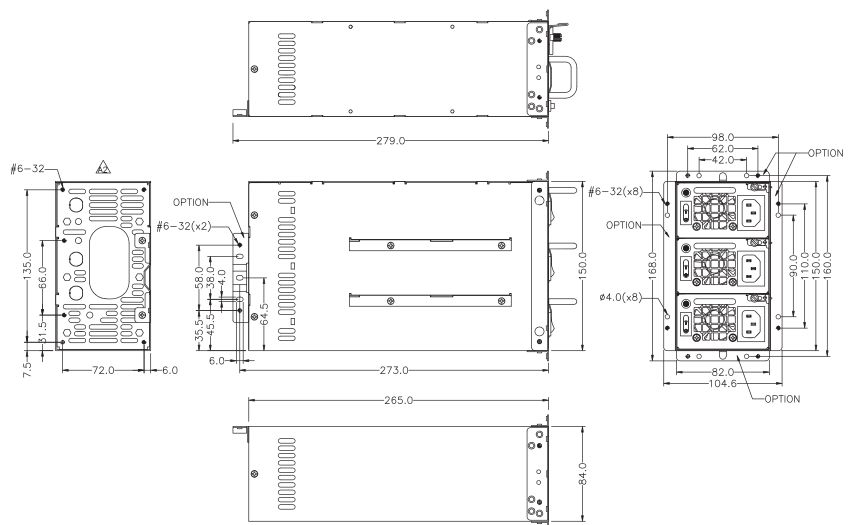
N+1 BALANCE LOAD SHARING DESIGN ON 5/12/3.3V CHANNEL

REMOTE SIGNAL DESIGN

ISOLATION : BUILT-IN THE POWER MODULE

DIMENSION : 265 (D) x 150 (W) x 84 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Mini Redundant

Mini Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRM-6550P	550W	28A	41A	28A	0.8A	1A	3.5A
MRM-6600P	600W	28A	45A	28A	0.8A	1A	3.5A
MRM-6650P	650W	30A	48A	28A	0.8A	1A	3.5A
REGULATION LOAD		±5%-4%	±5%-4%	±5%-3%	±5%-5%	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	120mV	120mV	50mV

REMARKS : TOTAL CURRENT OF +5V AND +3.3V MAX : 45A

+5V , +3.3V & +12V TOTAL MAX : 522W / 572W / 622W

MRM-6550P
MRM-6600P
MRM-6650P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

WATTAGE	115V	230V
550W	10A	5A
600W	10A	5A
650W	11A	5.5A

INRUSH CURRENT:

WATTAGE	115V	230V
550W	80A	150A
600W	80A	150A
650W	110A	150A

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 68% TYPICAL @ FULL LOAD 115V

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL, I2C

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

REMOTE SIGNAL DESIGN

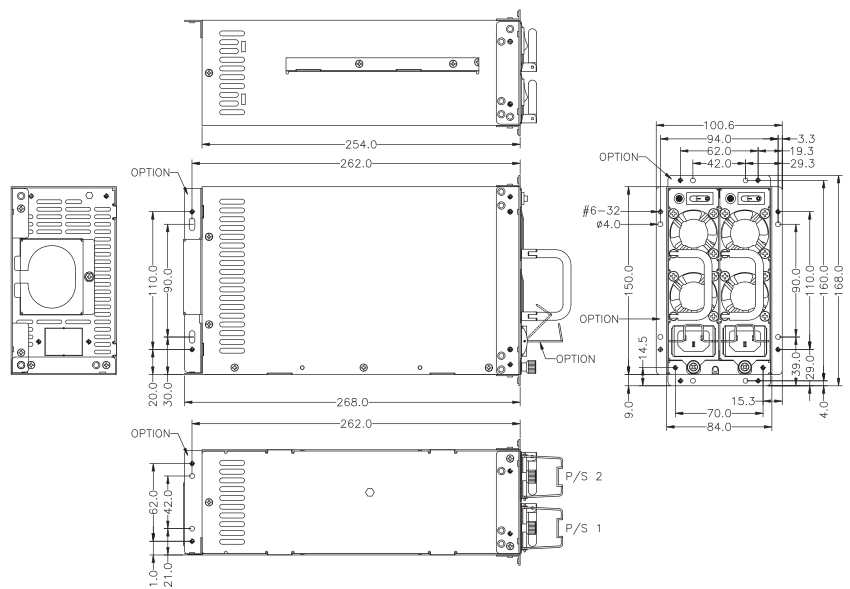
ISOLATION : BUILT-IN THE POWER MODULE

DIMENSION : 254 (D) x 150 (W) x 84 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Mini Redundant



Mini Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRH2-5AD0V0H	1400W	36A	116A	31A	X	0.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS:

- * TOTAL MAX OUTPUT OF +5V AND +3.3V NOT EXCEED 210W
- * POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 1400W FOR 180~264VAC
- * POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 1200W FOR 103~132VAC

MRH2-5AD0V0H

INPUT CHARACTERISTICS:

VOLTAGE :

103 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

15/10 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT:

15/30 AMPS @115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 110V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 1000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE: OPERATING 0°C ~ 50°C ; STORAGE TEMPERATURE: -20°C ~ 80°C

HOLD UP TIME: 16mS MINIMUM AT NOMINAL INPUT VOLTAGE

EFFICIENCY: TYPICAL 82% @ 115V, TYPICAL 84% @ 230V

LEAKAGE CURRENT: 3.5 mA. MAX. AT NOMINAL VOLTAGE 240VAC

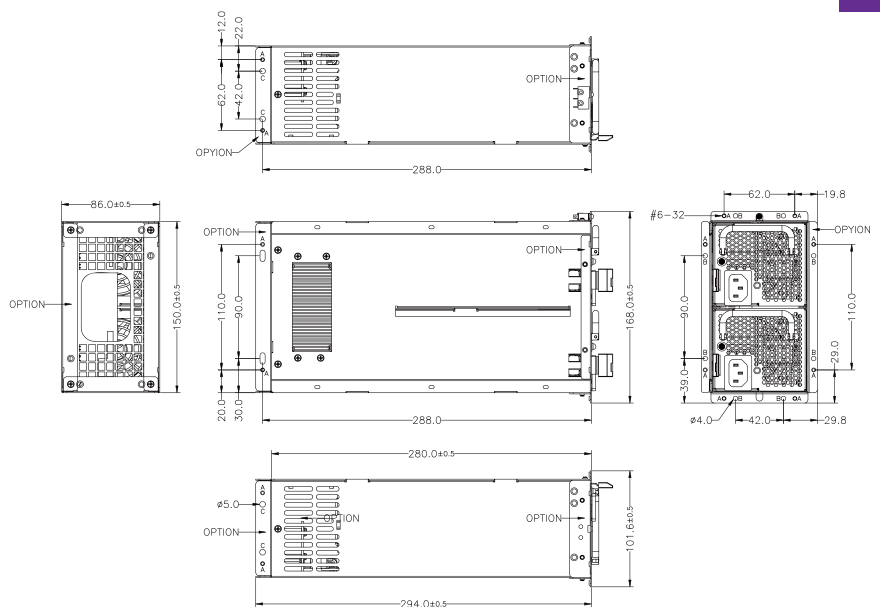
POWER GOOD SIGNAL: ON DELAY 50 ms TO 400 ms, OFF DELAY 5 ms

OUTPUT PROTECTION: OPP / OVP / OVP / SCP

REMOTE ON/OFF CONTROL

DIMENSION: 280 (D) x 150 (W) x 86 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Mini Redundant



PS2 Redundant

AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
RHD-6400P	400W	35A	20A	28A	0.8A	1A	2A
RHD-6460P	460W	40A	32A	30A	0.8A	1A	2A
REGULATION LOAD		±5%	±5%	±5%	±5%	±6%	+5,-7%
RIPPLE AND NOISE		60mV	100mV	60mV	100mV	100mV	60mV

REMARKS : +5V AND +3.3V TOTAL CURRENT : 50A

RHD-6400P RHD-6460P

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

8.0/4.0A FOR 110/220 VAC PER MODULE

INRUSH CURRENT:

65 A / 125 A MAX. FOR 110/220 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 67% TYPICAL AT 115V, AT FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE SENSING DESIGN

REMOTE ON/OFF CONTROL

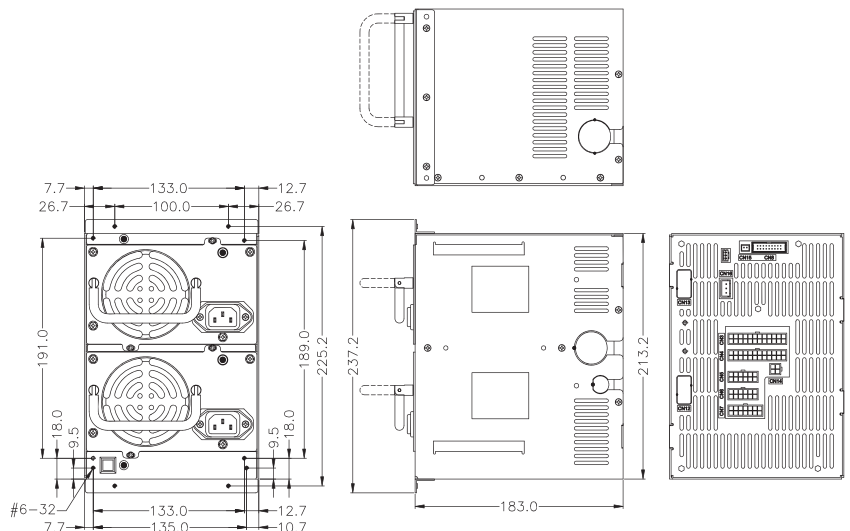
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

USED 48 PINS INDUSTRIAL CONNECTORS

DIMENSION : 183(D) X 153.4(W) X 213.2(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



PS2 Redundant

AC INPUT TO DC OUTPUT



RHI-6400P RHI-6460P

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

4A/2A PER UNIT(PARALLEL); 7A/4A(ONE POWER SUPPLY)

(EXCLUDING AC OUTPUT CURRENT) AT ANY LOW/HIGH

RANGE INPUT VOLTAGE.

INRUSH CURRENT:

65 A / 125 A MAX. FOR 110/220 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
RHI-6400P	400W	35A	20A	28A	0.8A	1A	2A
RHI-6460P	460W	40A	32A	30A	0.8A	1A	2A
REGULATION LOAD		±5%	±5%	±5%	±5%	±6%	+5,-7%
RIPPLE AND NOISE		60mV	100mV	60mV	100mV	100mV	60mV

REMARKS : +5V AND +3.3V TOTAL CURRENT : 50A

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 67% TYPICAL AT 115V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE SENSING DESIGN

REMOTE ON/OFF CONTROL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

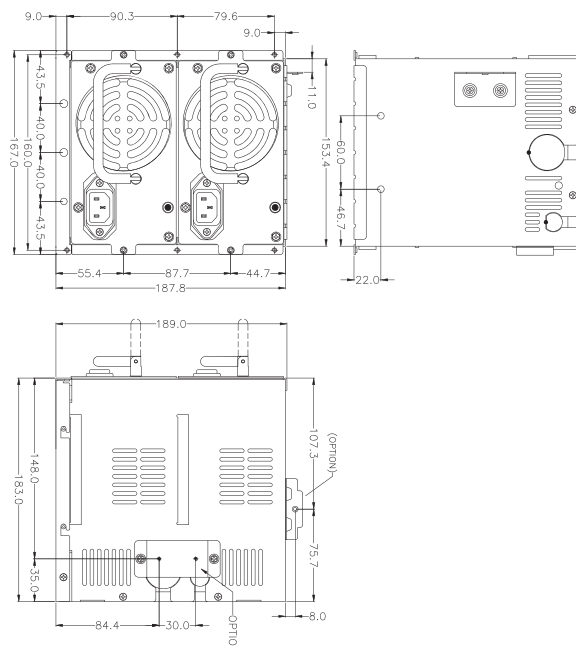
USED 48 PINS INDUSTRIAL CONNECTORS

DIMENSION : 183 (D) X 167(W) X 187.8(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



PS2 Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
RHH-6400P	400W	35A	20A	28A	0.8A	1A	2A
RHH-6460P	460W	40A	32A	30A	0.8A	1A	2A
REGULATION LOAD		±5%	±5%	±5%	±5%	±6%	+5,-7%
RIPPLE AND NOISE		60mV	100mV	60mV	100mV	100mV	60mV

REMARKS : +5V AND +3.3V TOTAL CURRENT : 50A

RHH-6400P RHH-6460P

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

4.0A/2A PER UNIT (PARALLEL); 8.0A/4A (ONE POWER SUPPLY); (EXCLUDING AC OUTPUT CURRENT) AT ANY LOW/HIGH RANGE INPUT VOLTAGE.

INRUSH CURRENT:

65 A / 125 A MAX. FOR 110/220 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 67% TYPICAL AT 115V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE SENSING DESIGN

REMOTE ON/OFF CONTROL

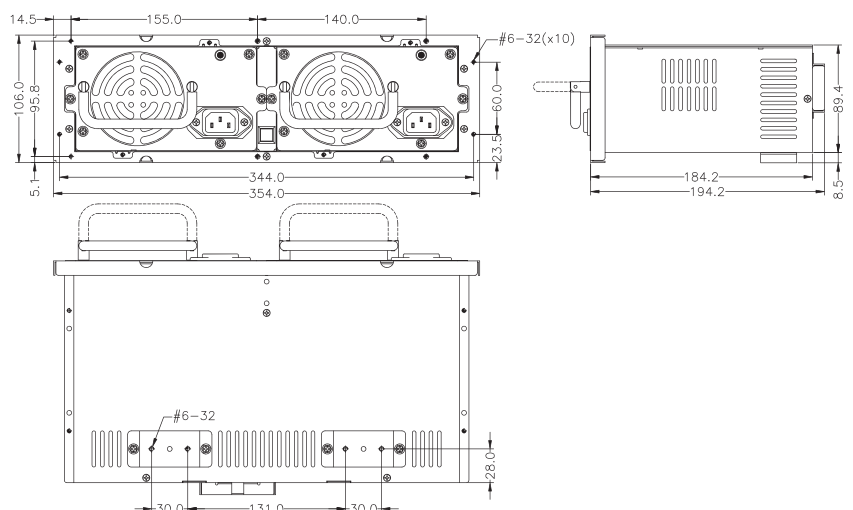
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

USED 48 PINS INDUSTRIAL CONNECTORS

DIMENSION : 194.2(D) X 354(W) X 106(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



PS2 Redundant

N+1 Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
G1M3-5570P4V	570W	38A	42A	38A	X	1.2A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : THE OUTPUT CURRENT OF +5V AND +3.3V NOT EXCEED 50A

G1M3-5570P4V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

5A (RMS) FOR 230 VAC; 10A (RMS) FOR 115 VAC

INRUSH CURRENT:

110A MAX. FOR 115 VAC PER MODULE; 150A MAX. FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

POWER FACTOR CORRECTION PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~70°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 68% TYPICAL, AT FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

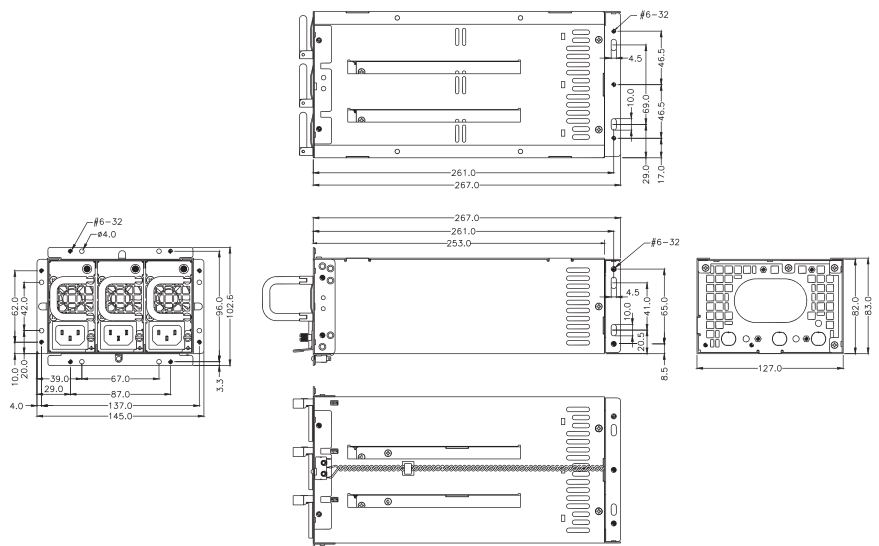
2 + 1, HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

N + 1 BALANCE LOAD SHARING DESIGN 5/12/3.3V CHANNEL

REMOTE SENSING DESIGN

DIMENSION : 253 (D) x 83 (W) x 127 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant

AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
G1M4-5810P4V	810W	54A	60A	54A	X	1.5A	4A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : THE OUTPUT CURRENT OF +5V AND +3.3V NOT EXCEED 75A

G1M4-5810P4V

N+1 Redundant

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

8A @ 230 VAC; 16A @ 115 VAC

INRUSH CURRENT:

110A MAX. FOR 115 VAC PER MODULE; 150A MAX. FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~70°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 68% TYPICAL, AT FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

2 + 1, HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

N + 1 BALANCE LOAD SHARING DESIGN 5/12/3.3V CHANNEL

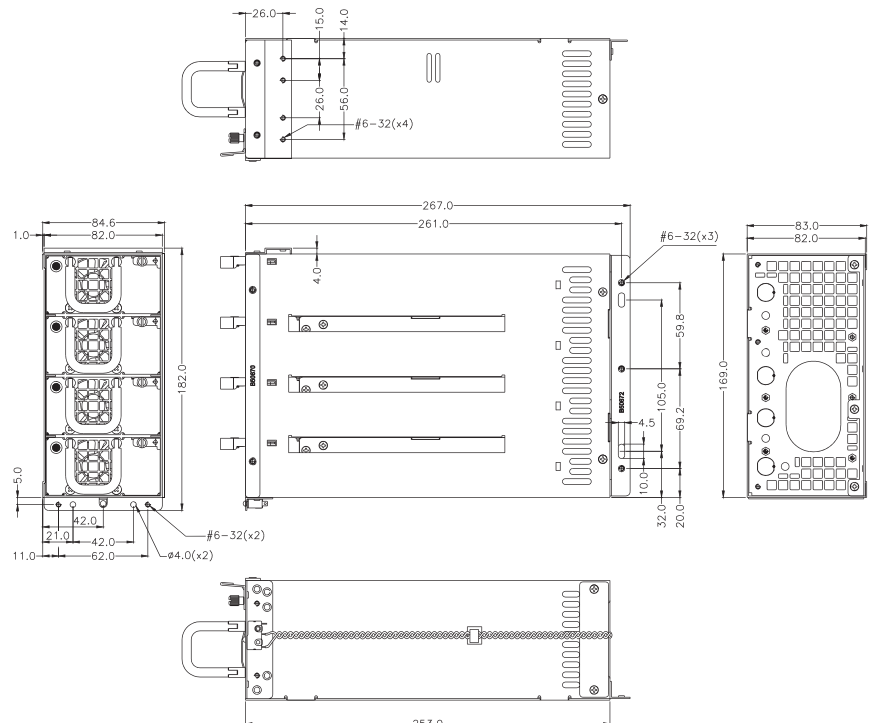
REMOTE SENSING DESIGN DESIGN

DIMENSION : 253 (D) x 83 (W) x 169 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1Z3-6760P3V	760W	48A	50A	46A	0.7A	1.5A	3A
M1Z3-6800P3V	800W	48A	50A	46A	0.7A	1.5A	3A
REGULATION LOAD		±5%	±6%	±5%	±10%	+5%,-10%	+5%,-6%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	120mV	70mV

REMARKS : POWER MODULE THE OUTPUT CURRENT OF +5V AND +3.3V NOT EXCEED 76A

M1Z3-6760P3V M1Z3-6800P3V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

7A (RMS) FOR 230 VAC, 14A (RMS) FOR 115 VAC

INRUSH CURRENT:

60A MAX. FOR 115 VAC PER MODULE, 100A MAX. FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL AT 115VAC FULL LOAD

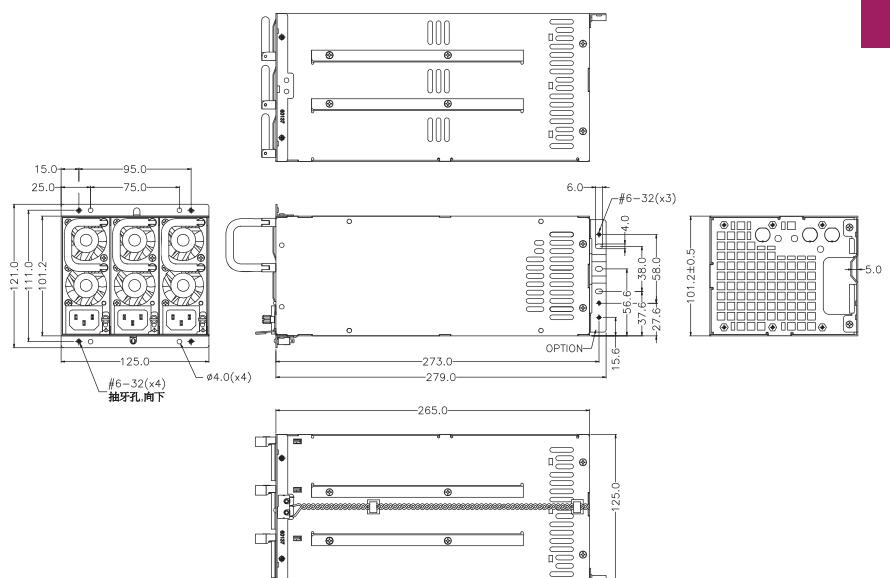
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

3.3V REMOTE SENSING DESIGN

DIMENSION : 265 (D) x 101.2 (W) x 125 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant



N+1 Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1Z3-5950V	950W	43A	76A	43A	X	1A	5A
M1Z3-5A45V	1045W	43A	84A	43A	X	1A	5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		70mV	120mV	70mV	X	120mV	70mV

M1Z3-5950V3V M1Z3-5A45V3V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

6A/6A (RMS) FOR 230 VAC, 15A/16A (RMS) FOR 115 VAC

INRUSH CURRENT:

35A MAX. FOR 115 VAC PER MODULE, 40A MAX. FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 78% TYPICAL @ FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

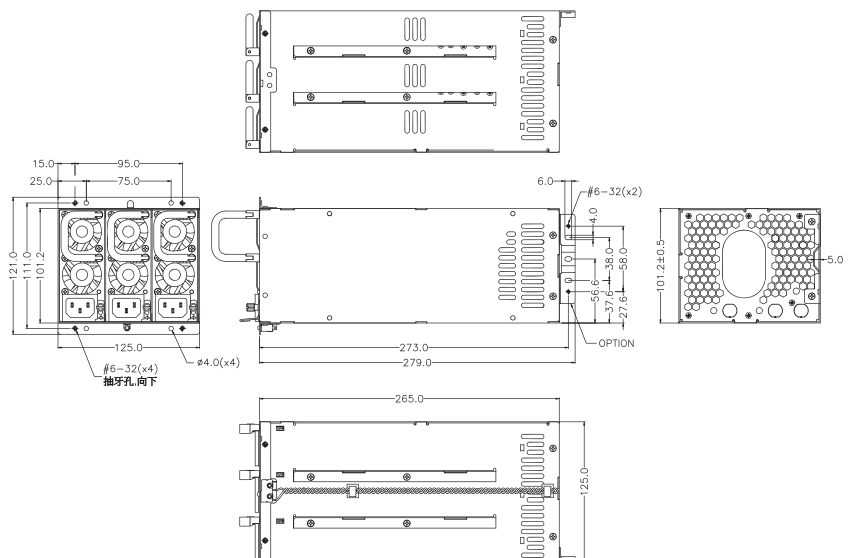
OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

WARNING METHOD : BUZZER, TTL

DIMENSION : 265 (D) x 101.2 (W) x 125 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1Z3-5950V3H	950W	43A	76A	43A	X	1A	5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		70mV	120mV	70mV	X	120mV	70mV

M1Z3-5950V3H

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

6A (RMS) FOR 230 VAC, 15A (RMS) FOR 115 VAC

INRUSH CURRENT:

35A MAX. FOR 115 VAC PER MODULE, 40A MAX. FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 78% TYPICAL @ FULL LOAD

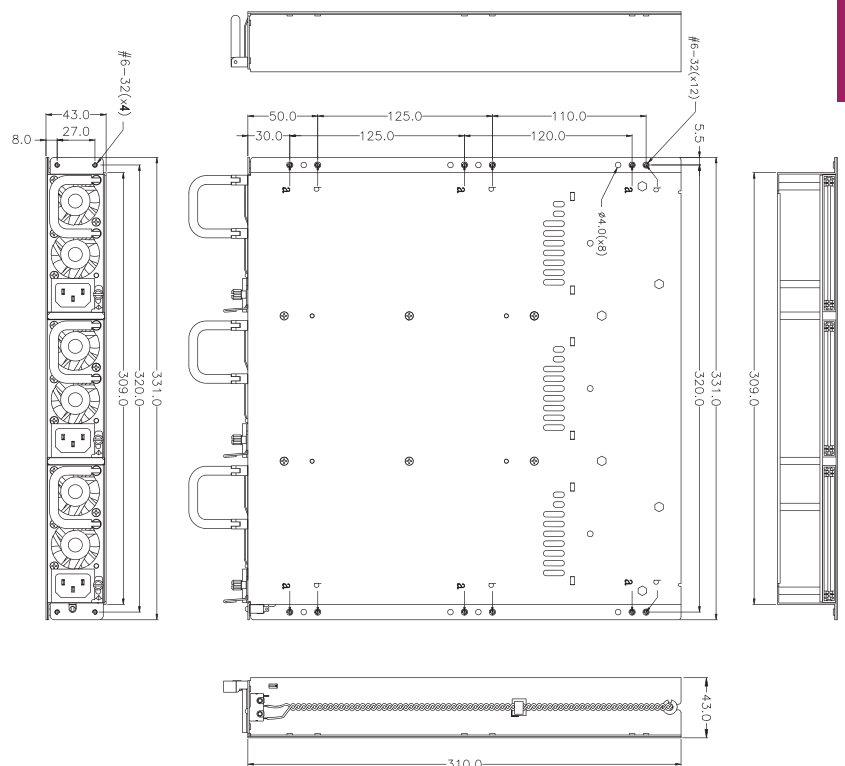
REMOTE ON/OFF CONTROL

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

WARNING METHOD : BUZZER, TTL

DIMENSION : 310 (D) x 331 (W) x 43 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant



N+1 Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MTW3-5C50V3V	1250W	60A	95A	68A	X	1.2A	5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX 380W; TOTAL OUTPUT MAX : 1250W

MTW3-5C50V3V

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~ 45°C , STORAGE : -20°C ~ 80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL >80% AT 115V, 30~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

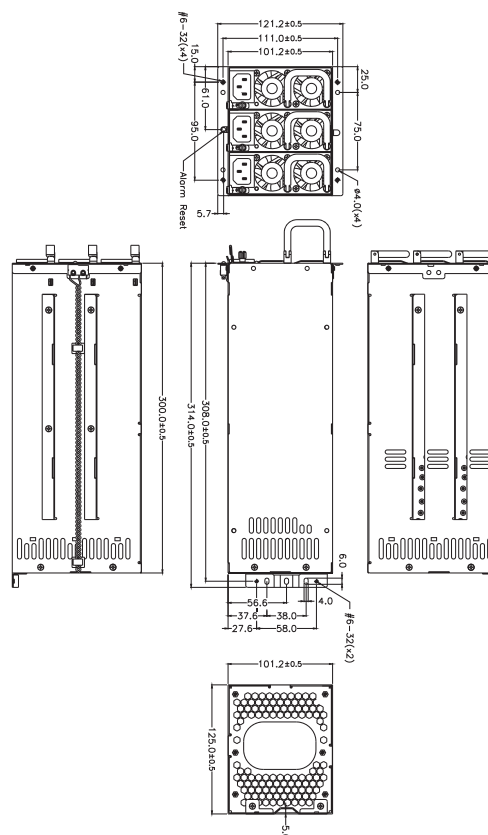
OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARMING METHOD : BUZZER SOUND, TTL

REMOTE ON/OFF CONTROL

DIMENSION : 300 (D) x 101 (W) x 125 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC (WITH ± 10% TOLERANCE)

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

INPUT CURRENT : 19/8A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

40A MAX. FOR 115 VAC PER MODULE; 60A MAX. FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV



N+1 Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M4W-6D50P	1350W	84.5A	90A	67.5A	1.2A	1.2A	3.5A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	120mV	70mV

REMARKS : POWER MODULE THE OUTPUT CURRENT OF +5V AND +3.3V NOT EXCEED 40A



M4W-6D50P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

10A (RMS) FOR 230 VAC, 20A (RMS) FOR 115 VAC

INRUSH CURRENT:

60 MAX. FOR 115 VAC PER MODULE, 100A MAX. FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

POWER FACTOR CORRECTION PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL AT 115V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

2+1, HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION/HOT PLUGGABLE

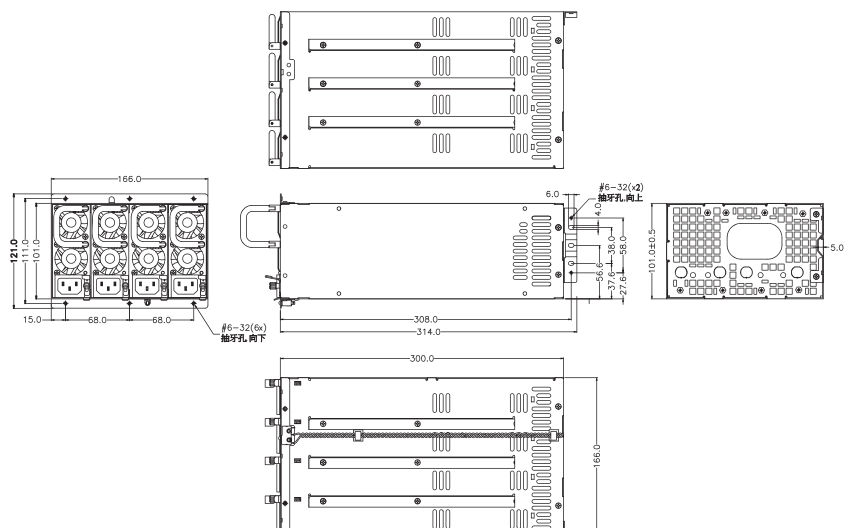
REDUNDANCY FUNCTION

N+1 BALANCE LOAD SHARING DESIGN 5/12/3.3V CHANNEL

REMOTE SENSING DESIGN

DIMENSION : 300(D) x 101(W) x 166(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



MTW4-5H80V3V

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC (WITH ± 10% TOLERANCE)

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

INPUT CURRENT : 27/12A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

40A MAX. FOR 115 VAC PER MODULE; 60A MAX. FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MTW4-5H80V3V	1780W	86A	135A	97A	X	1.6A	7A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS: +5V AND +3.3V TOTAL OUTPUT MAX 540W

SPECIFICATION:

TEMPERATURE RANGE: OPERATING: 0°C ~ 45°C , STORAGE: -20°C ~ 80°C

HOLD UP TIME: 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY: TYPICAL >80% AT 115V, 30~100% MAX LOAD

POWER GOOD SIGNAL: ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

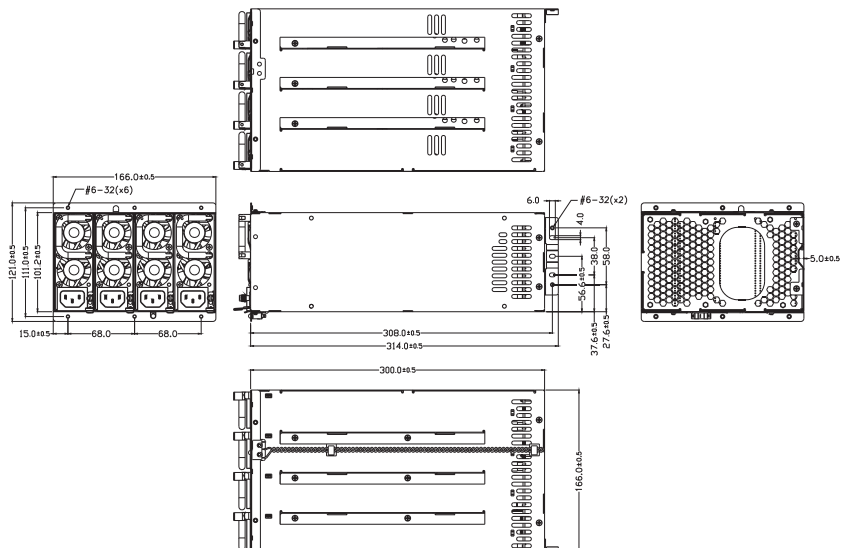
OUTPUT PROTECTION: OPP / OVP / OCP / SCP

WARMING METHOD: BUZZER SOUND, TTL

REMOTE ON/OFF CONTROL

DIMENSION: 300 (D) x 101.2 (W) x 166 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R3U-6460P	460W	50A	32A	28A	1A	1A	3A
REGULATION LOAD		± 5%	± 5%	± 5%	± 10%	± 10%	± 5%
RIPPLE AND NOISE		50mV	120mV	50mV	100mV	50mV	50mV

REMARKS : THE OUTPUT CURRENT OF +5V AND + 3.3V NOT EXCEED 50 A



R3U-6460P

INPUT CHARACTERISTICS:

VOLTAGE :

95 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

9.0 / 4.5 A FOR 115 / 230 VAC

INRUSH CURRENT:

35A / 70A MAX. FOR 115 / 230 VAC PER POWER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~70°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL @ FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

WARNING METHOD : LED, BUZZER, TTL SIGNAL

2 + 1 BALANCE LOAD SHARING DESIGN 5/12/3.3V CHANNEL

REMOTE SENSING DESIGN

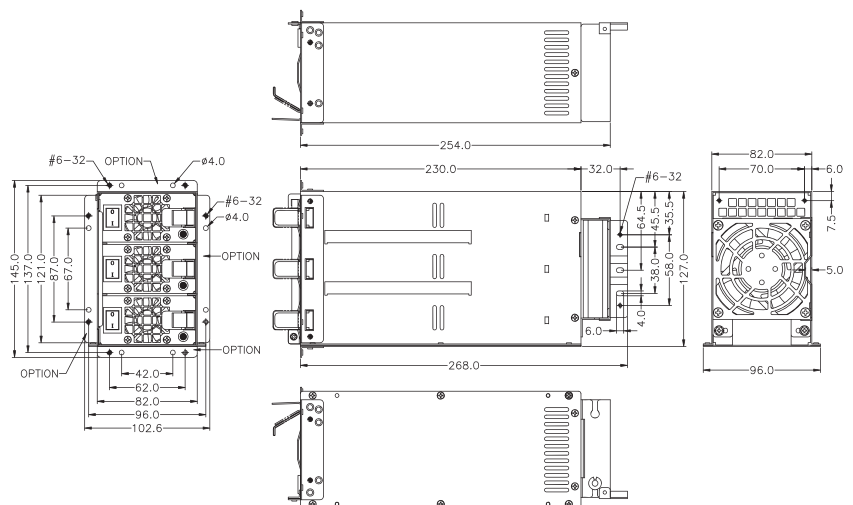
DIMENSION : 254(D) X 127(W) X 82(H) mm

I2C FEATURE IS OPTIONAL(MR3 ONLY)

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R3G-5800P4V	800W	45A	49A	38A	X	1A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	+5/-10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	50mV	50mV

REMARKS : +5V AND +3.3V TOTAL MAX : 61A

R3G-5800P4V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

10A/5A FOR 115/230V

INRUSH CURRENT:

40A MAX. FOR 115 VAC PER MODULE, 60A MAX. FOR 230 VAC PER MODULE

POWER FACTOR CORRECTION :

POWER FACTOR CORRECTION PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 73% TYPICAL @ FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

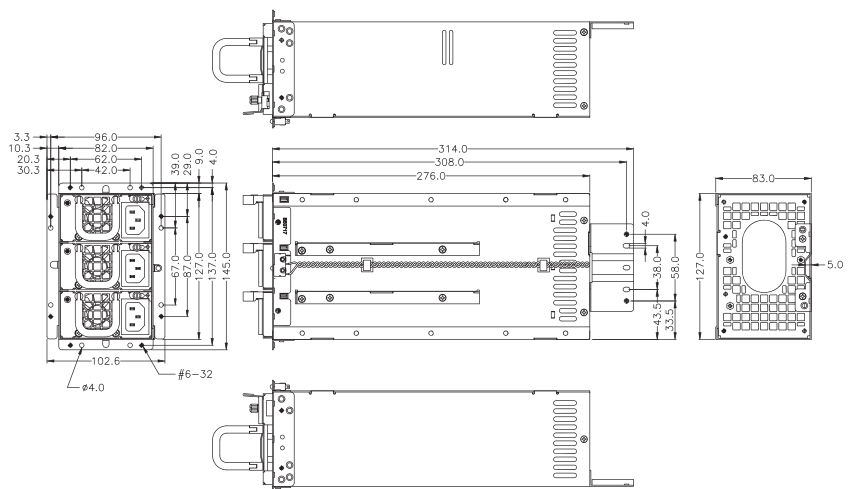
N+1 BALANCE LOAD SHARING DESIGN 5/12/3.3V CHANNEL

REMOTE SENSING DESIGN

ISOLATION : BUILT-IN THE POWER MODULE

DIMENSION : 276 (D) X 127(W) X 83(H) (mm)

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant

N+1 Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R3G-6650P	650W	60A	40A	40A	1A	1A	2.5A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	150mV	150mV	50mV

REMARKS : THE OUTPUT CURRENT OF +5V AND + 3.3V NOT EXCEED 70 A



R3G-6650P

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 63% TYPICA @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

WARNING METHOD : LED, BUZZER, TTL SIGNAL

2 + 1, HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

N + 1 BALANCE LOAD SHARING DESIGN 5/12/3.3V CHANNEL

REMOTE SENSING DESIGN DESIGN

DIMENSION : 276(D) X 127(W) X 82(H) mm - W/O FAN; 300(D) X 127(W) X 82(H) mm - W/FAN

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

9 / 5 AMPS MAX. @ ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT:

80/100 AMPS @ 115/230 VACPER POWER MODULE

POWER FACTOR CORRECTION :

POWER FACTOR CORRECTIONPFC CAN REACH THE TARGET OF 95% @ 230VAC, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

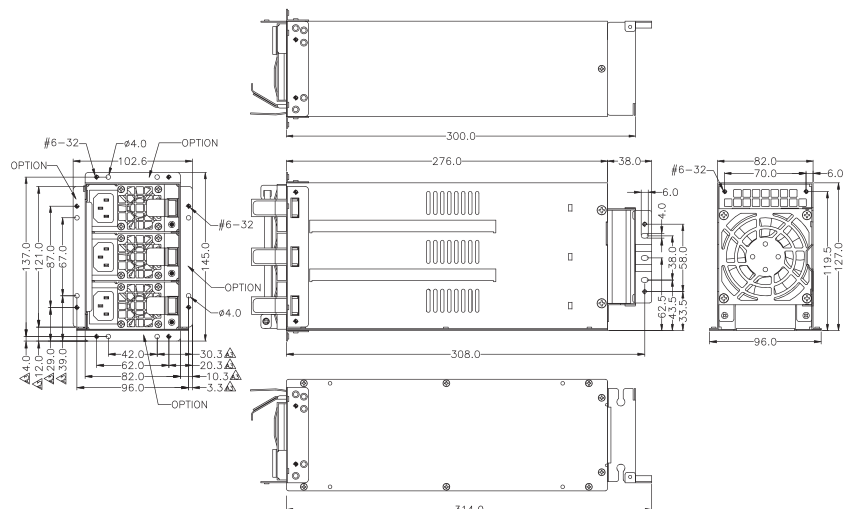
IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, BSMI, GOST



N+1 Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R3G-5500V4V	500W	25A	40A	25A	X	0.8A	3.5A
R3G-5800V4V	800W	32A	63A	32A	X	1.2A	4A
R3G-5950V4V	950W	32A	76A	32A	X	1.2A	4A
R3G-5B40V4V	1140W	32A	90A	32A	X	1.2A	4A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	50mV	50mV

REMARKS : THE OUTPUT CURRENT OF +5V AND +3.3V NOT EXCEED 170W / 190W / 190W

R3G-5500V4V
R3G-5800V4V
R3G-5950V4V
R3G-5B40V4V

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

WATTAGE	115V	230V
500W	8A	3A
800W	8A	3A
950W	8A	3A
1140W	9A	4A

INRUSH CURRENT:

35A/70A MAX. FOR 115/230 VAC POWER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16mS MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

EFFICIENCY : >80% TYPICAL AT 115VAC, 20%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

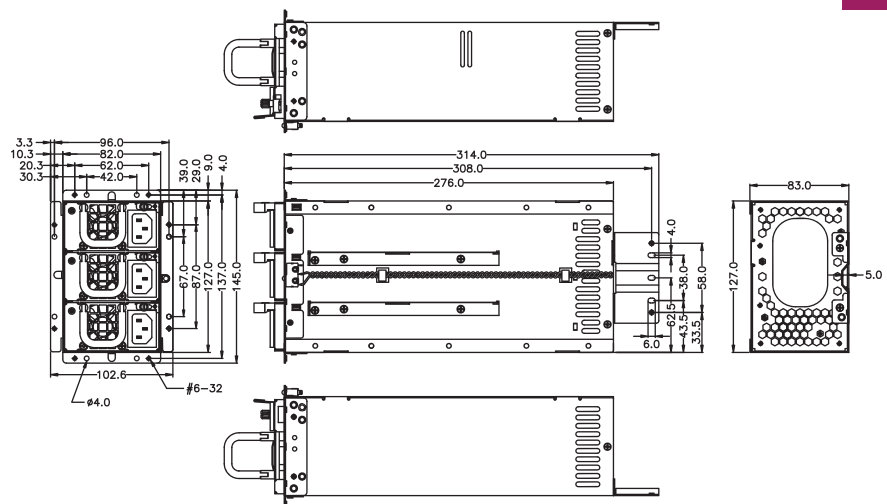
LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 276(D)×83(W)×127(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant



N+1 Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
SPH2-5A00V4H	1000W	22A	83A	22A	X	0.5A	4A
SPH2-5C00V4H	1200W	22A	100A	22A	X	0.5A	4A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 150W

SPH2-5A00V4H SPH2-5C00V4H

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT(PER POWER MODULE):

15/7.5 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT(PER POWER MODULE):

15/30 AMPS @ 115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~ 80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 10 ms

IN REGULATION LIMIT AT 90VAC INPUT VOLTAGE

EFFICIENCY(PER SET) : POWER SUPPLY EFFICIENCY TYPICAL 83% AT115V, 12V/83A

5VSB/0.8A ; POWER SUPPLY EFFICIENCY TYPICAL 86% AT230V · 12V/83A 5VSB/0.8A .

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms

OUTPUT PROTECTION : OPP / OVP / SCP

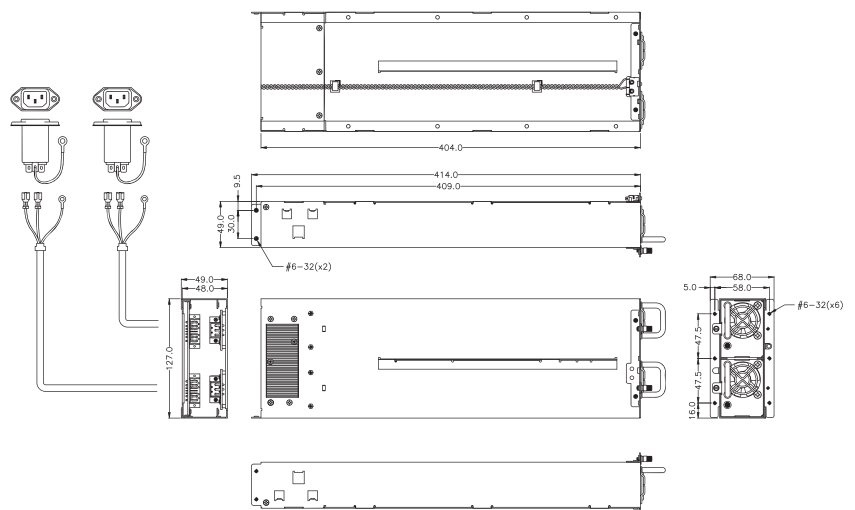
REMOTE ON / OFF CONTROL

BALANCE LOAD SHARING DESIGN

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

DIMENSION : 404(D) x 127(W) x 49 (H)mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MR3-6450P	450W	50A	32A	28A	1A	1A	3A
MR3-6460P	460W	50A	32A	28A	1A	1A	3A
MR3-6480P	480W	50A	32A	28A	1A	1A	3A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	100mV	50mV	50mV

REMARKS : THE OUTPUT CURRENT OF +5V AND + 3.3V NOT EXCEED 50 A

MR3-6450P MR3-6460P MR3-6480P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

9.0 / 4.5 A FOR 115 / 230 VAC

INRUSH CURRENT:

35A / 70A MAX. FOR 115 / 230 VAC PER POWER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL @ FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

WARNING METHOD : LED, BUZZER, TTL SIGNAL

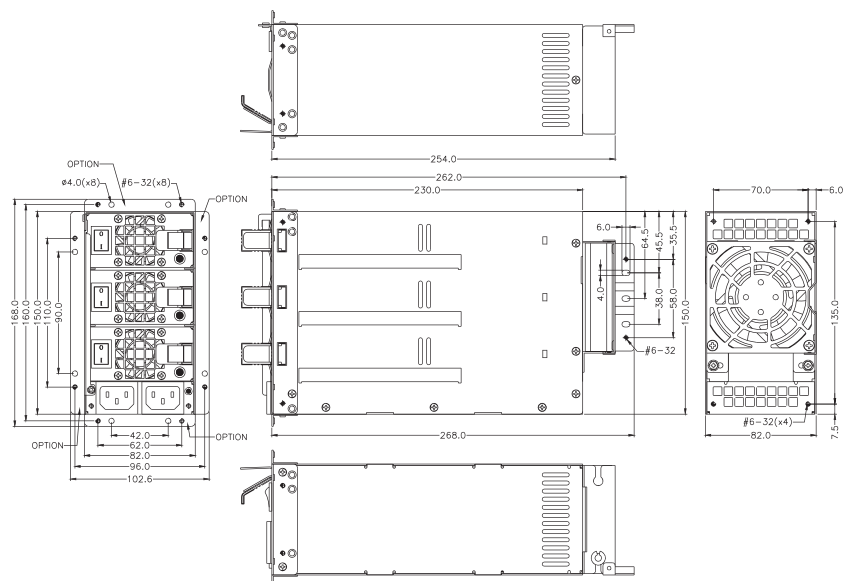
2 + 1 BALANCE LOAD SHARING DESIGN 5/12/3.3V CHANNEL

REMOTE SENSING DESIGN

DIMENSION : 254 (D) X 150(W) X 82(H) mm

I2C FEATURE IS OPTIONAL

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant

N+1 Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
GIH3-6650P	650W	60A	40A	40A	1A	1A	2.5A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	100mV	50mV	50mV

REMARKS : THE OUTPUT CURRENT OF +5V AND + 3.3V NOT EXCEED 70 A



GIH3-6650P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

12A / 5.0 A FOR 115 / 230 VAC

INRUSH CURRENT:

90A / 110A MAX. FOR 115 / 230 VAC PER POWER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~70°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL, AT FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

2 + 1, HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION /

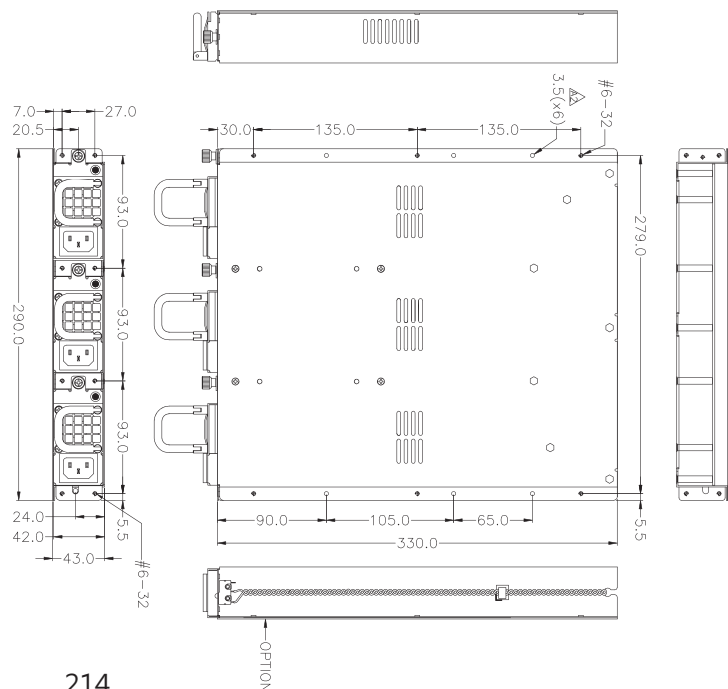
N + 1 BALANCE LOAD SHARING DESIGN 5/12/3.3V CHANNEL

REMOTE SENSING DESIGN

ISOLATION : BUILT-IN IN THE POWER MODULE

DIMENSION : 330(H) X 290(W) X 42 (D) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V1 +5V2	+12V	+3.3V	-5V	-12V	+5VSB
M1P4-6D50V4H	1350W	32A	112A	25A	X	0.5A	6A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V1, +5V2 AND +3.3V TOTAL OUTPUT MAX : 350W; TOTAL OUTPUT MAX : 1350W

M1P4-6D50V4H

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC (WITH ± 10% TOLERANCE)

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

21/10A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

40/60A @ 115/230VAC (25°C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 1000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~ 40°C, STORAGE : -20°C ~ 80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 80% TYPICAL AT 115VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

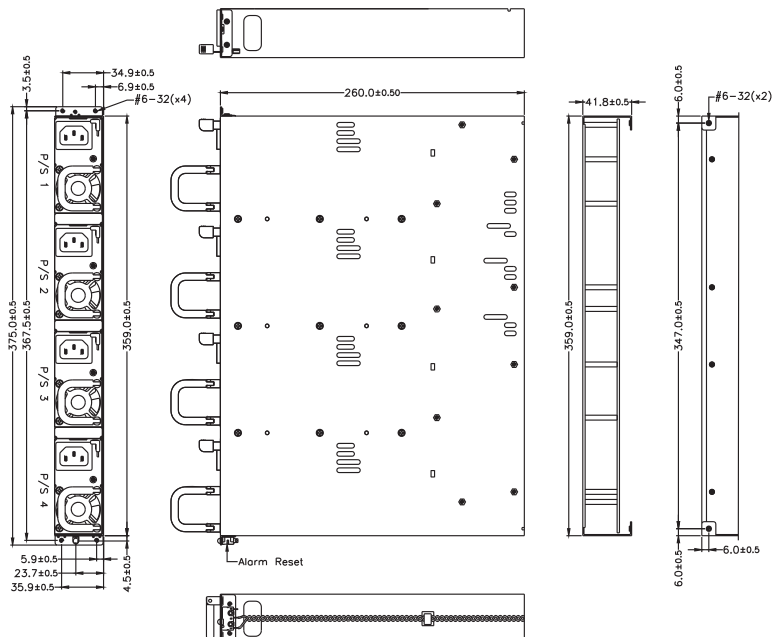
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE SENSING DESIGN

DIMENSION : 260 (D) x 359 (W) x 41.8 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant

N+1 Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT						
		+5V	+12V1	+12V2	+3.3V	-5V	-12V	+5VSB
M1G3-6930P	930W	44A	30A	50A	44A	1.2A	50A	3.5A
REGULATION LOAD		±5%	±6%	±6%	±5%	+5%,-10%	±6%	+5%,-6%
RIPPLE AND NOISE		50mV	120mV	120mV	50mV	100mV	50mV	50mV

REMARKS : THE OUTPUT POWER OF 5V & 3.3V MAX : 80A

THE OUTPUT POWER OF +12V1 & +12V2 MAX : 72A

THE OUTPUT POWER OF +5V,3.3V & +12V MAX : 890W



M1G3-6930P

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C (90~240VAC INPUT), STORAGE :

-20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 67% TYPICAL @ FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

3.3V / 5V REMOTE SENSING

DIMENSION : 335 (D) x 369 (W) x 42 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

100V ~ 240VAC (WITH ± 10% TOLERANCE)

FREQUENCY :

50Hz /60Hz(±3Hz)

INPUT CURRENT :

16-8A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT:

65/125A @ 115/230VAC (25°C)

POWER FACTOR CORRECTION :

POWER FACTOR CORRECTION PFC CAN REACH THE TARGET

OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

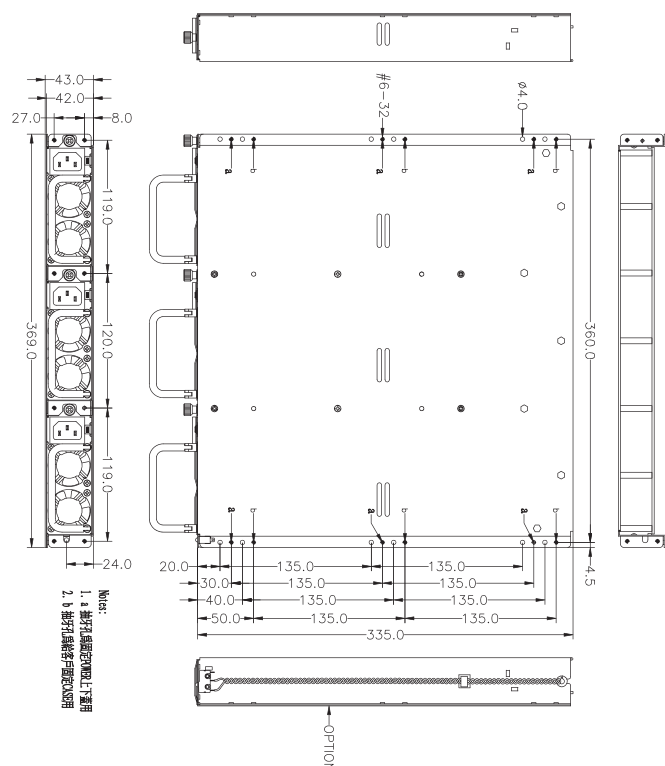
IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC



N+1 Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1Z4-5A80V3H	1080W	64A	88A	64A	X	1.2A	6A
M1Z4-5C40V3H	1240W	64A	100A	64A	X	1.2A	6A
M1Z4-5D50V3H	1350W	64A	110A	64A	X	1.2A	6A
M1Z4-5E85V3H	1485W	64A	120A	64A	X	1.2A	6A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		70mV	120mV	70mV	X	120mV	70mV

M1Z4-5A80V3H
M1Z4-5C40V3H
M1Z4-5D50V3H
M1Z4-5E85V3H

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

WATTAGE	115V	230V
1080W	16A	6A
1240W	19A	7A
1350W	20A	8A
1485W	22A	9A

INRUSH CURRENT:

35/40AMPS @ 115/230 VAC

POWER FACTOR CORRECTION :

POWER FACTOR CORRECTION PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 80% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION: : OPP / OVP / OVP / SCP

WARNING METHOD : AUDIO ALARM, TTL

2 + 1, HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

N + 1 BALANCE LOAD SHARING DESIGN 5/12/3.3V CHANNEL

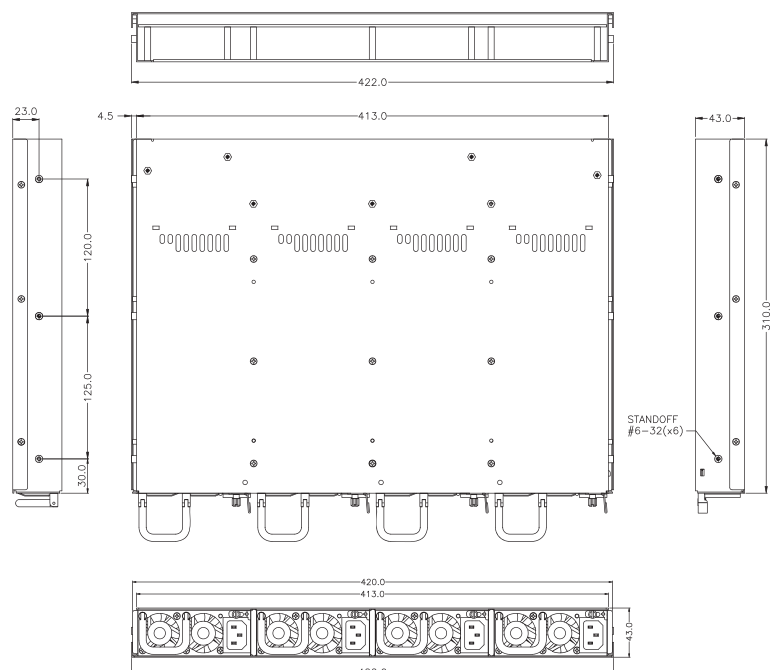
REMOTE SENSING DESIGN

DIMENSION : 310 (D) x 422 (W) x 43 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant



N+1 Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1W3-6950P	950W	56A	60A	44A	1.2A	1.2A	3.5A
REGULATION LOAD		±5%	±6%	±5%	+5%.-10%	+5%.-10%	+5%.-6%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	120mV	70mV

REMARKS : THE OUTPUT POWER OF 5V & 3.3V MAX : 40A



M1W3-6950P

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C , STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 67% TYPICAL AT 115VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

3.3V / 5VREMOTE SENSING DESIGN

DIMENSION : 330 (D) x 383 (W) x 42 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

20-10A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT:

60/100A @ 115/230VAC (25°C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

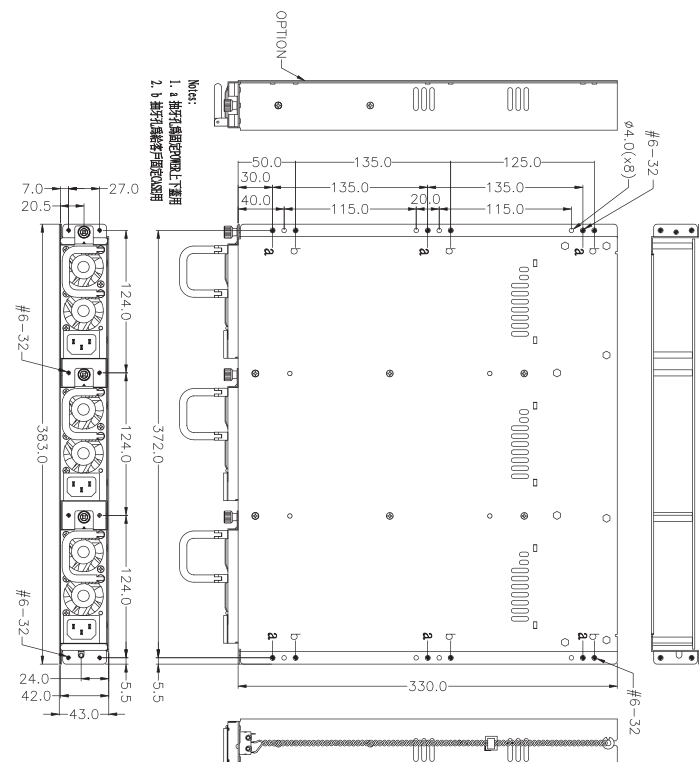
IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST



N+1 Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1W3-5B40P3H	1140W	60A	80A	45A	X	1.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	70mV	50mV	X	70mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT OF +5V AND +3.3V NOT EXCEED 400W



M1W3-5B40P3H

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

10-5A MAX AT ANY LOW/HIGH INPUT VOLTAGE FOR EACH POWER UNIT

INRUSH CURRENT:

160/180A @ 115/230VAC (25°C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C, STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 70% TYPICAL AT 115 VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

REMOTE SENSING DESIGN

BALANCE LOAD SHARING DESIGN

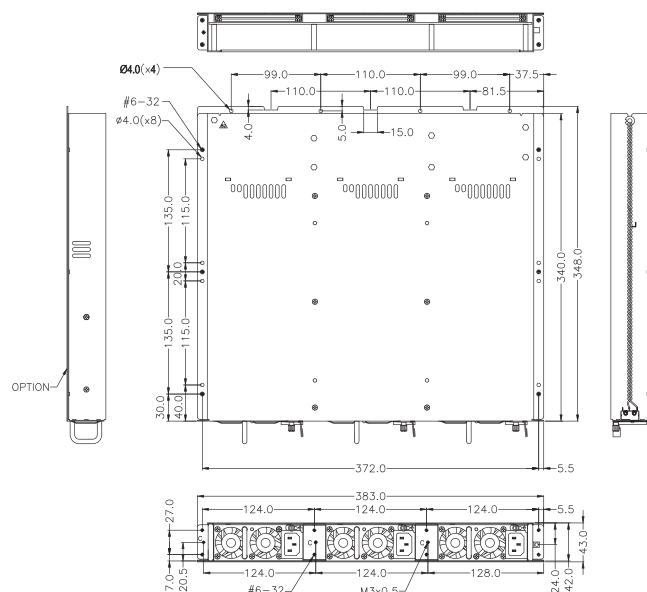
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

WARNING METHOD : LED, BUZZER, TTL SIGNAL

DIMENSION : 330 (D) x 383 (W) x 43 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1W3-5F40V3H	1540W	24A	126A	24A	X	1.5A	4A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : TOTAL MAX OUTPUT OF +5V AND +3.3V NOT EXCEED 135W.

M1W3-5F40V3H

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

20/10A FOR 115/230VAC

INRUSH CURRENT (PER POWER MODULE) :

15/30A MAX. FOR 115/230VAC (25°C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

MEET UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C · STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 84% TYPICAL · AT FULL LOAD 115Vac

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms

OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

REMOTE SENSING DESIGN

BALANCE LOAD SHARING DESIGN

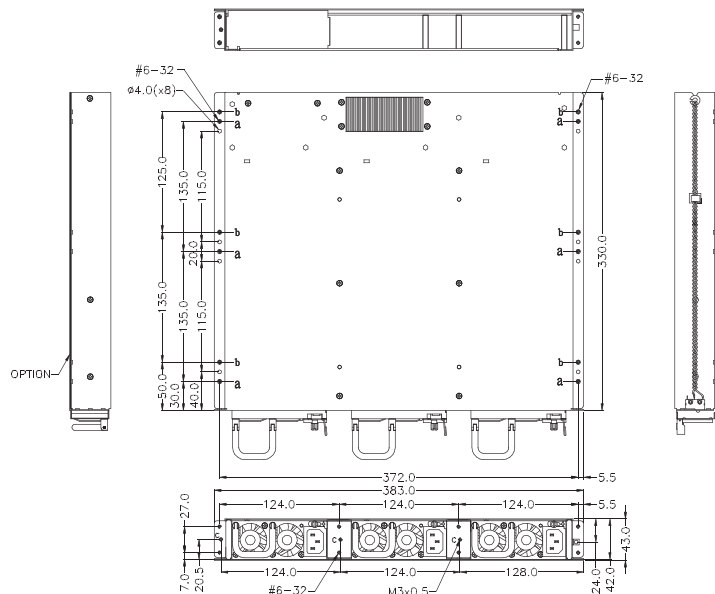
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

WARNING METHOD : LED, BUZZER, TTL SIGNAL

DIMENSION : 330(D) X 383(W) X 43(H)mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant



N+1 Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1W4-5G20P3V	1620W	85A	115A	65A	X	2A	3.5A
M1W4-5K40P3V	2040W	110A	150A	80A	X	2.5A	4A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : TOTAL MAX OUTPUT OF +5V AND +3.3V NOT EXCEED 560W / 710W

M1W4-5G20P3V M1W4-5K40P3V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT (PER POWER MODULE) :

10A / 5A AT 115/230 VAC FOR EACH POWER UNIT

INRUSH CURRENT (PER POWER MODULE) :

160/180A MAX. FOR 115/230 VAC (250C)

POWER FACTOR CORRECTION :

POWER FACTOR CORRECTION PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 16mS MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 70% TYPICAL AT FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

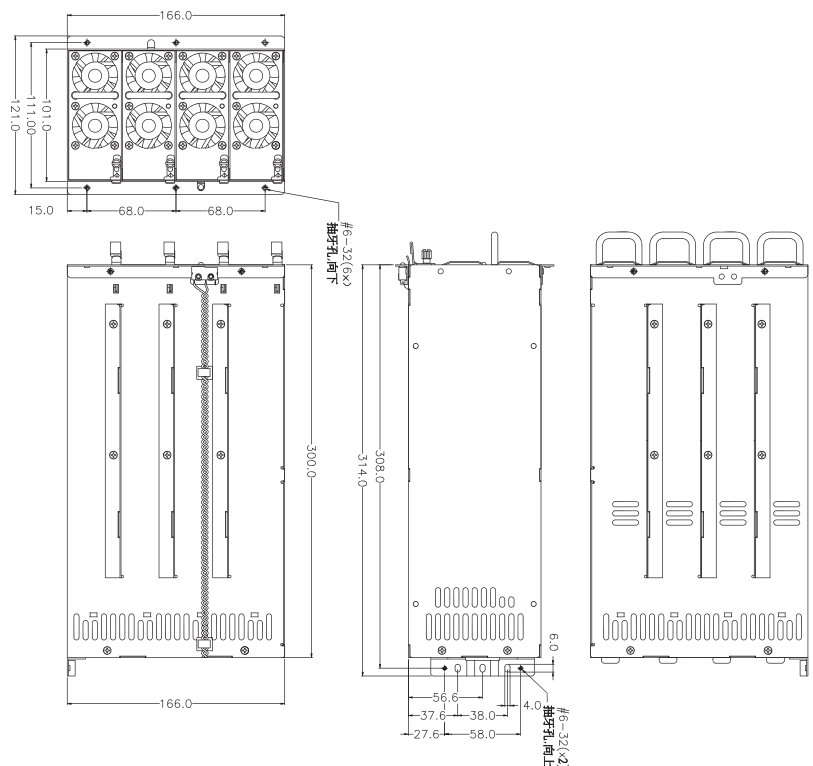
WARNING METHOD : LED, BUZZER, TTL SIGNAL, I2C

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION/HOT PLUGGABLE

REDUNDANCY FUNCTION

DIMENSION : 300 (D) x 101 (W) x 166 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1W4-5G20P3H	1620W	4-85A	8-115A	4-65A	X	0-2A	0.4-3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	70mV	50mV	X	70mV	50mV

REMARKS : TOTAL MAX OUTPUT OF +5V AND +3.3V NOT EXCEED 560W



M1W4-5G20P3H

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 16ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 70% TYPICAL AT FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL, I2C

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

REMOTE SENSING DESIGN

BALANCE LOAD SHARING DESIGN

ISOLATION : BUILT-IN THE POWER MODULE

DIMENSION : 340 (D) x 422 (W) x 43 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT (PER POWER MODULE) :

10/5A FOR 115/230 VAC FOR EACH POWER UNIT

INRUSH CURRENT (PER POWER MODULE) :

160/180A MAX. FOR 115/230 VAC (250C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

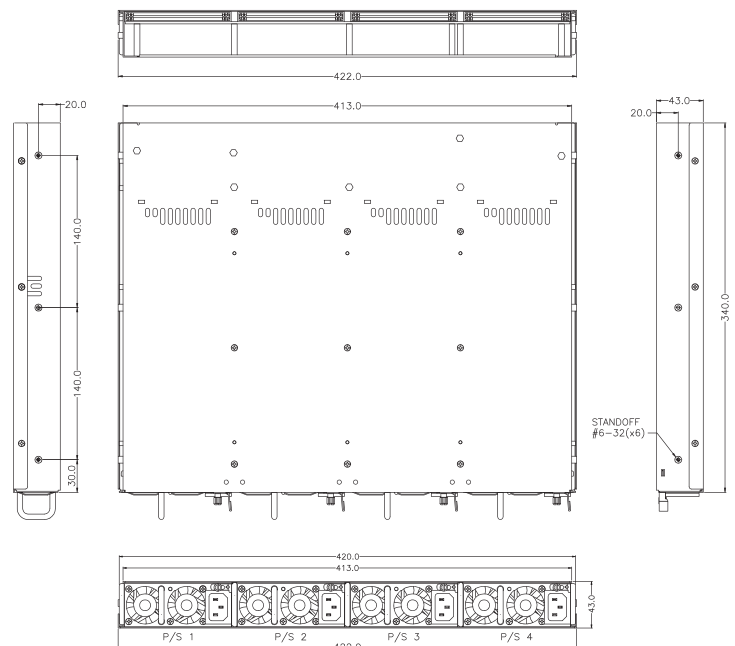
IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST



N+1 Redundant

AC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1W4-6D50P	1350W	84.5A	90A	67.5A	1.2A	1.2A	3.5A
REGULATION LOAD		±5%	±6%	±5%	+5%,-10%	+5%,-10%	3.5A
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	120mV	70mV

REMARKS : THE OUTPUT POWER OF 5V & 3.3V MAX : 40A



M1W4-6D50P

INPUT CHARACTERISTICS:

VOLTAGE :

100V ~ 240VAC (WITH ± 10% TOLERANCE)

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

20 / 10A MAX AT LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

60/100 AMPS @ 115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C , STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

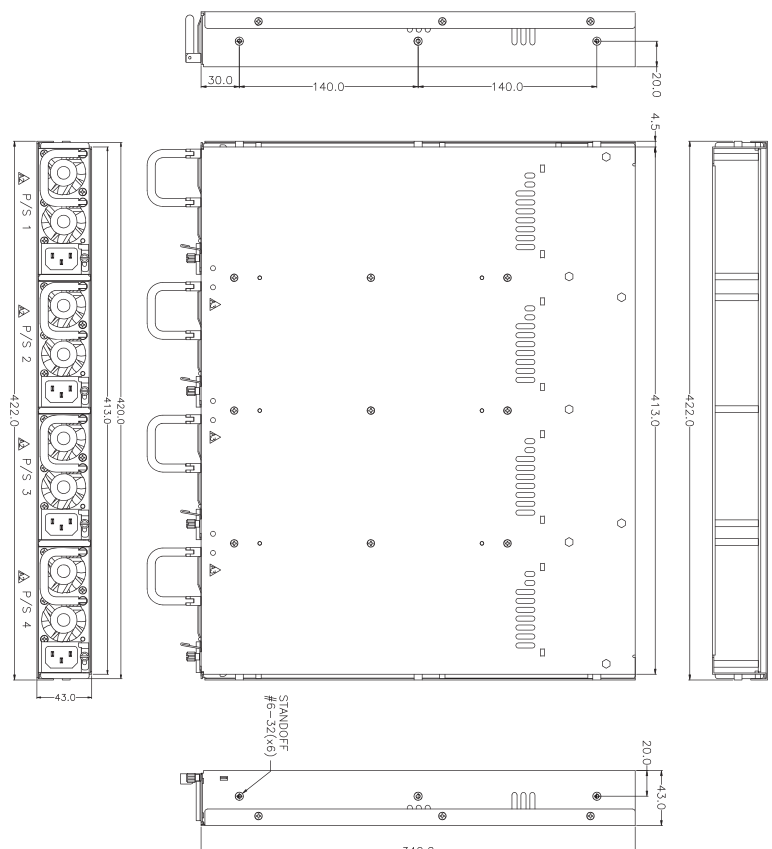
EFFICIENCY : 67% TYPICAL AT 115VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 340 (D) x 422 (W) x 43 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant



N+1 Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1W4-5L80V3H	2180W	24A	178A	24A	X	1.5A	4A
M1W4-5O50V3H	2450W	24A	201A	24A	X	1.5A	4A
M1W4-5R20V3H	2720W	24A	223A	24A	X	1.5A	4A
M1W4-5W40V3H	3240W	24A	270A	24A	X	1.5A	4A
M1W4-5CH0V0H * 1	3300W	24A	275A	24A	X	1.5A	4A
M1W4-5CH0V0H * 2	3800W	24A	316A	24A	X	1.5A	4A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	50mV	50mV

REMARKS : TOTAL MAX OUTPUT OF +5V AND +3.3V NOT EXCEED 135W.

* 1 INPUT VOLTAGE IS 103 ~ 264 VAC (3300W)

* 2 INPUT VOLTAGE IS 180 ~ 264 VAC (3800W)

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C · STORAGE -20°C ~80°C

HOLD UP TIME : 16ms IN REGULATION LIMIT AT 90 VAC INPUT VOLTAGE

EFFICIENCY : 84% (82% : 3240W) TYPICAL · AT FULL LOAD 115VAC

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms

OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

REMOTE SENSING DESIGN

BALANCE LOAD SHARING DESIGN

WARNING METHOD : LED, BUZZER, TTL SIGNAL

DIMENSION : 340(D) X 422(W) X 43(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

M1W4-5L80V3H
M1W4-5O50V3H
M1W4-5R20V3H
M1W4-5W40V3H
M1W4-5CH0V0H

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT :

WATTAGE	115V	230V
2180W	30A	15A
2450W	42A	21A
2720W	45A	22.5A
3240W	30A	15A
3300W	45A	24A
3800W	X	26A

INRUSH CURRENT (PER POWER MODULE) :

15/30 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

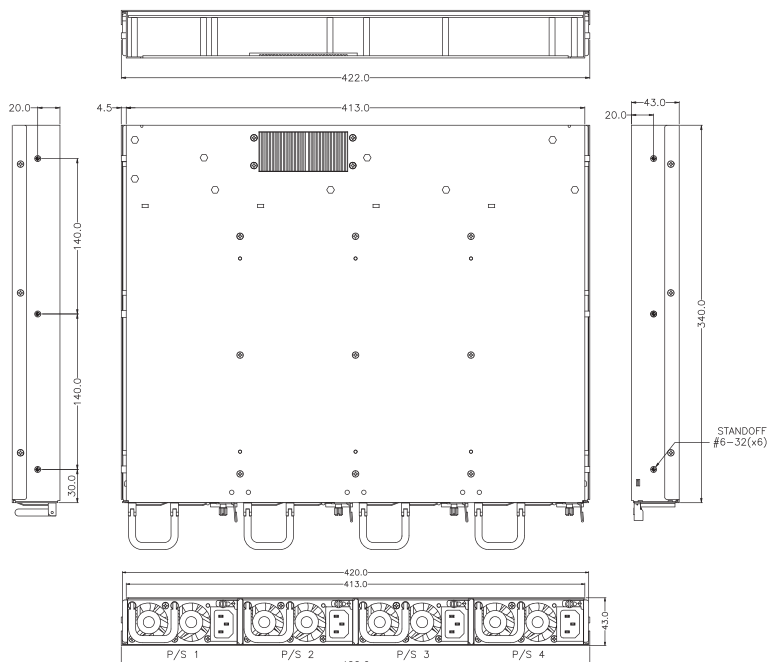
IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC



N+1 Redundant

N+1 Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



MTW4-5C50V3H
MTW4-5F50V3H
MTW4-5H10V3H
MTW4-5H80V3H
MTW4-5K50V3H
MTW4-5M10V3H
MTW4-5O30V3H

INPUT CHARACTERISTICS:

VOLTAGE :

90~264VAC FULL RANGE

FREQUENCY :

47~63HZ

INPUT CURRENT(PER POWER MODULE) :

WATTAGE	115V	230V
1250W	19A	8A
1550W	24A	11A
1710W	26A	11A
1780W	27A	12A
2050W	31A	13A
2210W	33A	14A
2430W	36A	16A

INRUSH CURRENT (PER POWER MODULE) :

40/60 AMPS @115/230V

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MTW4-5C50V3H	1250W	60A	95A	68A	X	1.2A	5A
MTW4-5F50V3H	1550W	60A	127A	68A	X	1.2A	5A
MTW4-5H10V3H	1710W	60A	136A	68A	X	1.2A	5A
MTW4-5H80V3H	1780W	86A	135A	97A	X	1.6A	7A
MTW4-5K50V3H	2050W	86A	167A	97A	X	1.6A	7A
MTW4-5M10V3H	2210W	86A	180A	97A	X	1.6A	7A
MTW4-5O30V3H	2430W	86A	194A	97A	X	1.6A	7A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	50mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 380W / 380W / 380W / 540W / 540W / 540W / 540W

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~45°C , STORAGE -20°C ~80°C

HOLD UP TIME : 16ms IN REGULATOIN LIMIT AT 90VAC INPUT VOLTAGE

EFFICIENCY : >80% AT 115VAC, 30%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500Ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE SENSING DESIGN

BALANCE LOAD SHARING DESIGN

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

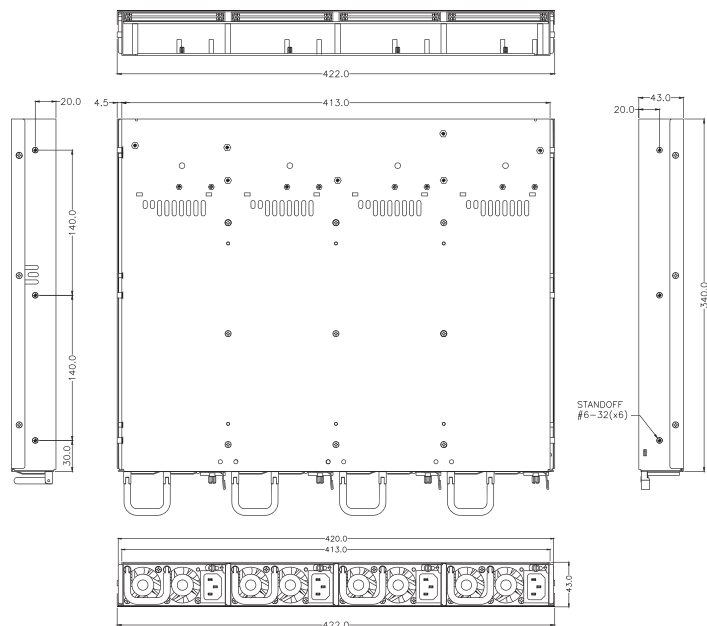
WARNING METHOD : LED, BUZZER, TTL SIGNAL

DIMENSION : 340(D) X 422(W) X 43(H)mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant

N+1 Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
PSS2-5A00V3H	1000W	22A	83A	22A	X	0.5A	4A
PSS2-5C00V3H	1200W	22A	100A	22A	X	0.5A	4A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : THE OUTPUT CURRENT OF +5V & +3.3V NOT EXCEED 150W

PSS2-5A00V3H PSS2-5C00V3H

INPUT CHARACTERISTICS:

VOLTAGE :

90~264 VAC FULL RANGE

FREQUENCY :

47~63Hz

INPUT CURRENT :

15A/7.5A @ ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

15/30AMPS @ 115/230 VAC

POWER FACTOR CORRECTION :

POWER FACTOR CORRECTION PFC CAN REACH THE TARGET OF 95% @ 110V, FULL LOAD, FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~50°C ; STORAGE : -20°C ~80°C

HOLD UP TIME : 5V MUST BE MAINTAIN 10 MSEC IN REGULATION LIMIT AT 90V INPUT

VOLTAGE

EFFICIENCY : TYPICAL 83% @ 115V, 12V/83A 5VSB/0.8A; TYPICAL 86% AT 230V, 12V/83A 5VSB/0.8A

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

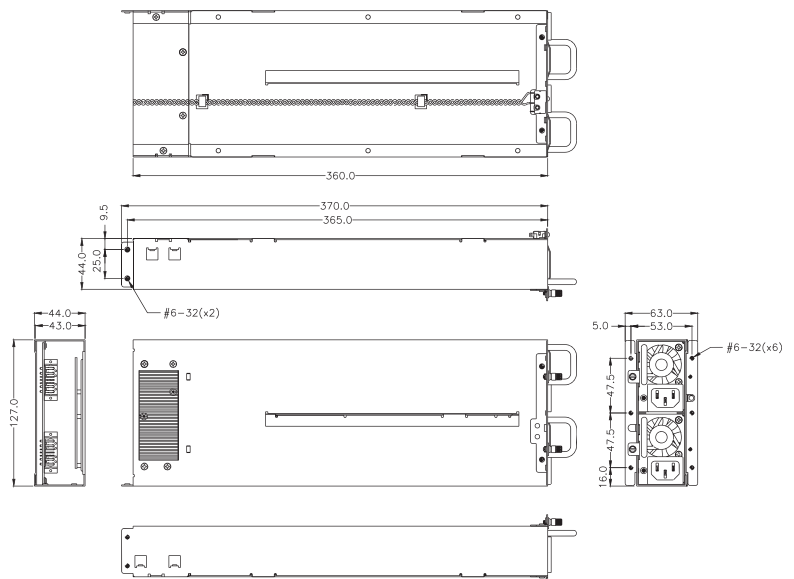
2 + 1, HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

N + 1 BALANCE LOAD SHARING DESIGN 5/12/3.3V CHANNEL

REMOTE SENSING DESIGN

DIMENSION : 360(D) x 127(W) x 44(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V9	+12V9	+3.3V9	+9V9	+12V1 ~ +12V8	+5VSB
M1K6-5DH0V0H	4800W	4A	37A	4A	2A	42A	3A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	50mV	120mV	50mV

REMARKS : +12V9, +5V9, +3.3V9, +9V9 TOTAL MAX 500W

+12V1~+12V9 TOTAL MAX 400A

TOTAL MAX OUTOT 4800W

M1K6-5DH0V0H

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

75/38 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

15/30 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 10mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 87.8% @230V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100mS TO 500mS · OFF DELAY 1mS

REMOTE ON/OFF CONTROL

OUTPUT PROTECTION: OPP / OVP / OCP / SCP

BALANCE LOAD SHARING DESIGN

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

LEAKAGE CURRENT: 3.5mA MAX. AT NOMINAL VOLTAGE 240VAC

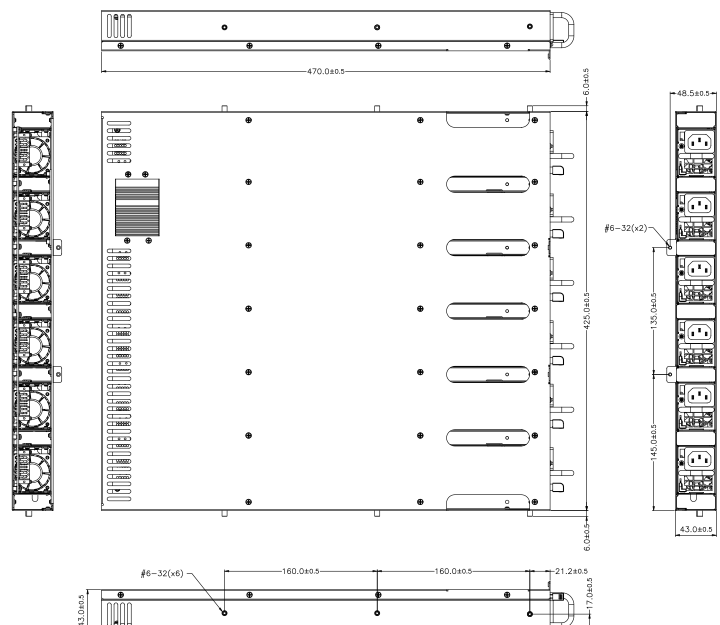
WARNING METHODS: LED, BUZZER, TTL SIGNAL

DIMENSION : 470(D) X 425(W) X 43(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R1T-1120V	120W	X	10A	X	X	X	X
REGULATION LOAD		X	±5%	X	X	X	X
RIPPLE AND NOISE		X	120mV	X	X	X	X

REMARKS : POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 120W

R1T-1120V

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC

FREQUENCY :

47 ~ 63HZ

STEADY-STATE CURRENT :

2/1 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

35/70 AMPS @115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 17mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 85% AT 115V, 88% AT 230V, FULL LOAD

OUTPUT PROTECTION : OPP / OVP / SCP

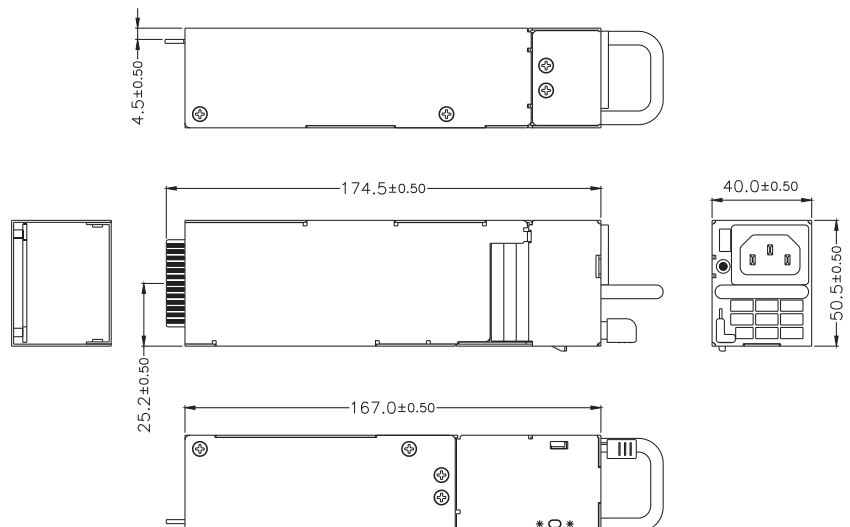
FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

DIMENSION : 167(D) X 50.5(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



AC N+1

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R1S-1120V	120W	X	10A	X	X	X	X
REGULATION LOAD		X	±5%	X	X	X	X
RIPPLE AND NOISE		X	120mV	X	X	X	X

REMARKS : POWER MODULE TOTAL OUTPUT POWER NOT EXCEED : 120W

R1S-1120V

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC FULL RANGE

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

2A/1A MAX @ LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

35/70A @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,
FOLLOWING THE STANDARD OF IEC 1000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~ 50°C , STORAGE : -20°C ~ 80°C

HOLD UP TIME : 17 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 85% TYPICAL AT 230 VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 600 ms, OFF DELAY 1 ms

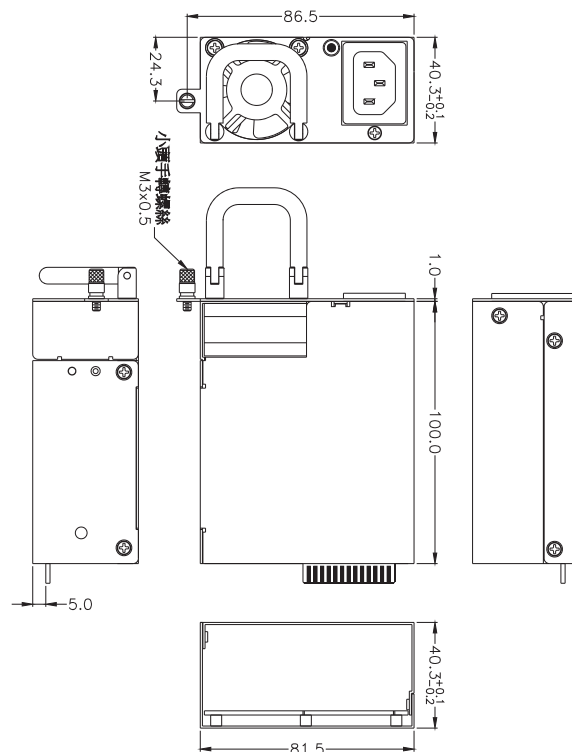
REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5 MA. MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 100 (D) x 81.5 (W) x 40.3 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Modular PS



AC N+1

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R1U-2220V	220W	X	17.5A	X	X	X	2A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : REMARKS : +12V TOTAL OUTPUT MAX : 210W

R1U-2220V

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC FULL RANGE

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

4A/2A MAX @ LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

35/70A @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,
FOLLOWING THE STANDARD OF IEC 1000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~ 50°C, STORAGE : -20°C ~ 80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 76~80% TYPICAL AT 230 VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 600 ms, OFF DELAY 1 ms

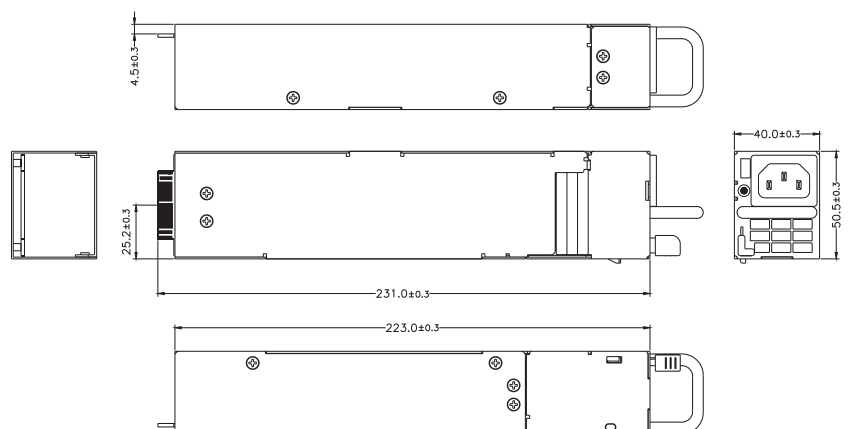
REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5 MA. MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 223 (D) x 50.5 (W) x 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1S-3400V	400W	X	33A	X	X	0.8A	3.5A
M1S-3401V	400W	X	33A	X	X	0.8A	3.5A
M1S-3500V	500W	X	41A	X	X	0.8A	3.5A
M1S-3501V	500W	X	41A	X	X	0.8A	3.5A
M1S-3551V	550W	X	45A	X	X	0.8A	3.5A
REGULATION LOAD		X	±5%	X	X	±5%	±5%
RIPPLE AND NOISE		X	120m	X	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 400W / 500W / 550W

- M1S-3400V
- M1S-3401V
- M1S-3500V
- M1S-3501V
- M1S-3551V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

WATTAGE	115V	230V
400W	6A	3A
500W (M1S-3500V)	8A	4A
500W (M1S-3501V)	10A	5A
550W	10A	5A

INRUSH CURRENT :

20/40 AMPS @ 132/264VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL >80% AT 115V; 40%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

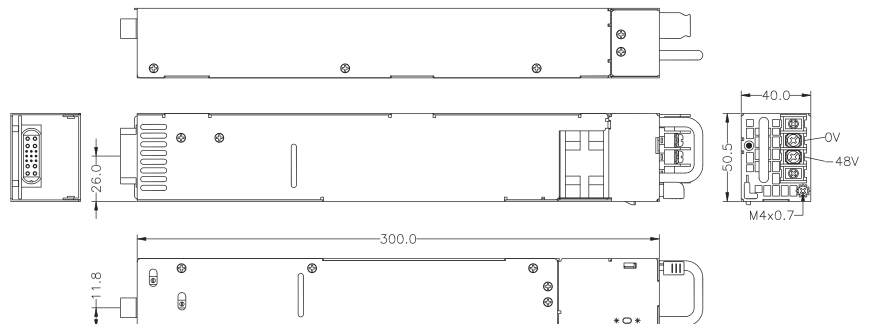
OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

LEAKAGE CURRENT : 3.5mA MAX AT NOMINAL VOLTAGE 250VAC

DIMENSION : 300(D) X 50.5(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Modular PS



AC N+1

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1U-2650V	650W	X	54A	X	X	X	3A
M1U-2750V	750W	X	62A	X	X	X	3A
M1U-2800V	800W	X	66A	X	X	X	3A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 650W / 750W / 800W

M1U-2650V
M1U-2750V
M1U-2800V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

WATTAGE	115V	230V
650W	10A	5A
750W	12A	6A
800W	12A	6A

INRUSH CURRENT :

15 / 30 AMPS @ 115 / 230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 11ms MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

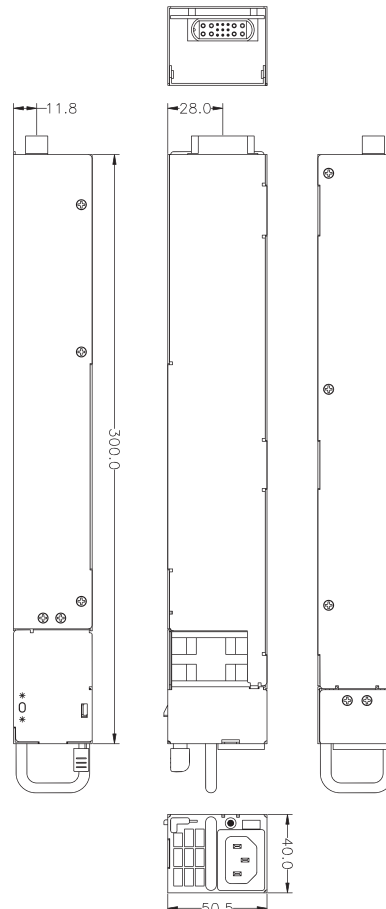
EFFICIENCY : TYPICAL 85% AT 115V; TYPICAL 88% AT 230V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 300(D) X 50.5(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1V-2800V	800W	X	66A	X	X	X	3A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 800W

M1V-2800V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

12/6A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

15/30A @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~ 50°C , STORAGE : -20°C ~ 80°C

HOLD UP TIME : 11 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 88% @ 230 VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 550 ms, OFF DELAY 1 ms

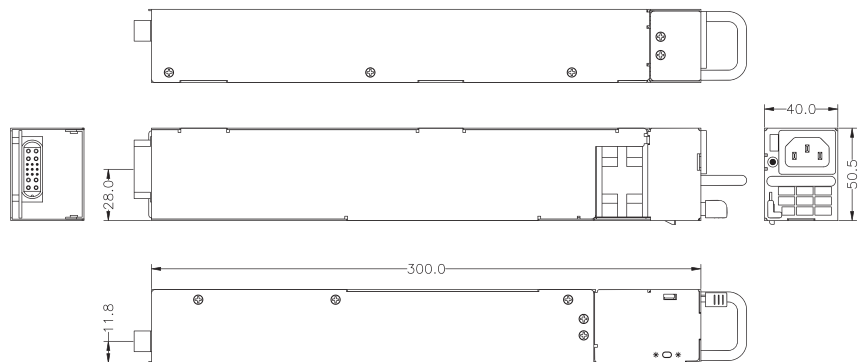
REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 300 (D) x 50.5 (W) x 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1K-2A00V	1000W	X	83A	X	X	X	3A
M1K-2C00V	1200W	X	100A	X	X	X	3A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 1000W / 1200W

M1K-2A00V M1K-2C00V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

15/7.5 MAX. AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

15/30 AMPS @115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~ 80°C

HOLD UP TIME : 10mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

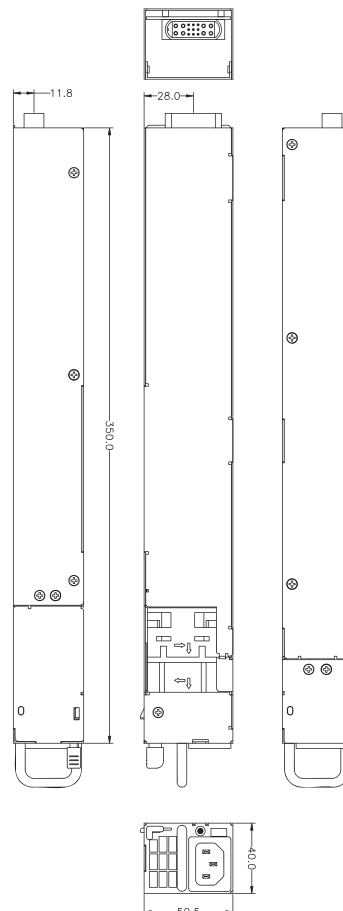
EFFICIENCY : TYPICAL 83% @ 115V, TYPICAL 86% @ 230V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 350 (D) X 50.5(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



AC 1+1

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R1V-2275V	275W	X	22A	X	X	X	2.5A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : +12V TOTAL OUTPUT MAX : 263W

R1V-2275V

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC FULL RANGE

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

4A/2A MAX @ LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

35/70A @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~ 50°C , STORAGE : -20°C ~ 80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 76~80% TYPICAL AT 230 VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 600 ms, OFF DELAY 1 ms

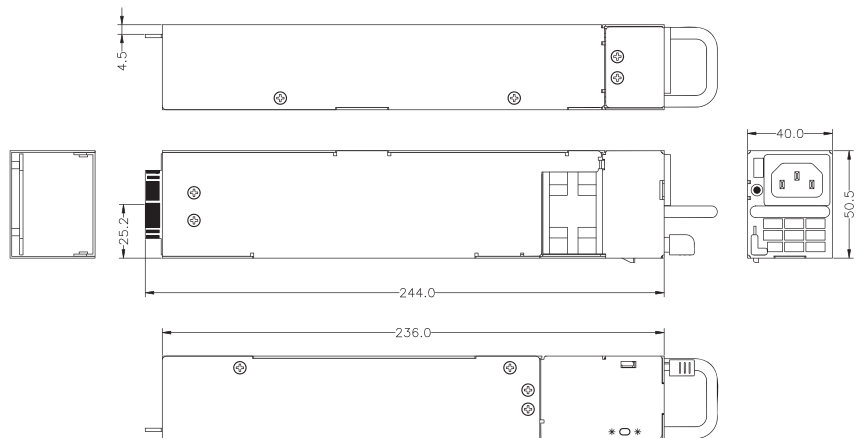
REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 236 (D) x 50.5 (W) x 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Modular PS





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
SPH-2A00V	1000W	X	83A	X	X	X	4A
SPH-2C00V	1200W	X	100A	X	X	X	4A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 1000W / 1200W

SPH-2A00V SPH-2C00V

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

15/7.5A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

15/30A @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 230V, FULL LOAD,
FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~ 50°C , STORAGE : -20°C ~ 80°C

HOLD UP TIME : 10 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 86% @ 230V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 550 ms, OFF DELAY 1 ms

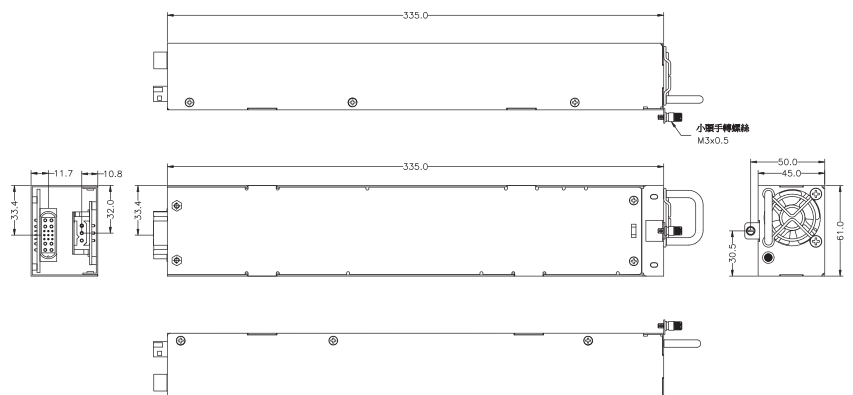
REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

LEAKAGE CURRENT : 3.5 mA. MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 335 (D) x 61 (W) x 45 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE
OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH
CORRESPONDING EMC- AND SAFETY-REGULATIONS.



AC N+1

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
PSS-2A00V	1000W	X	83A	X	X	X	4A
PSS-2C00V	1200W	X	100A	X	X	X	4A
PSS-2E00V	1400W	X	115A	X	X	X	4A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 1000W / 1200W / 1400W

PSS-2A00V PSS-2C00V PSS-2E00V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

WATTAGE	115V	230V
1000W	15A	7.5A
1200W	15A	7.5A
1400W	X	9A

INRUSH CURRENT :

15 / 30 AMPS @ 115 / 230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 10mS (1000W) MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : 1200W--TYPICAL 83% @ 115V, 86% @ 230V; 1000W---TYPICAL 90% @230V,

FULL LOAD

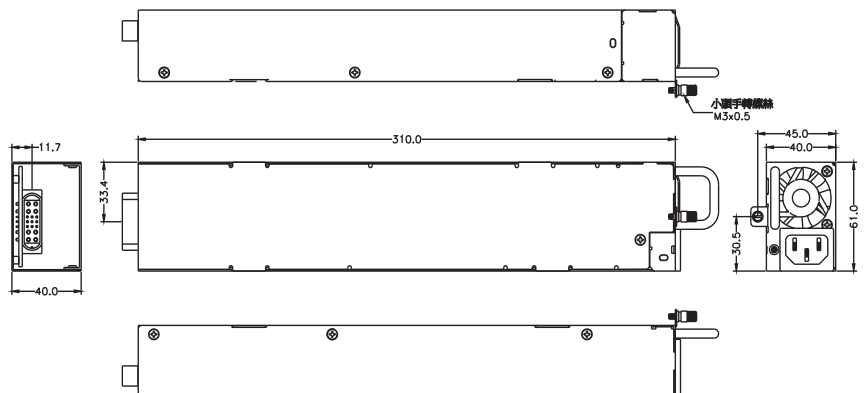
POWER GOOD SIGNAL : ON DELAY 100mS TO 550mS · OFF DELAY 1mS

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 310(D) X 61(W) X 40.5(H) mm FOR 1000W and 1200W

330(D) X 61(W) X 40.5(H) mm FOR 1400W

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Modular PS





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MIN-6251P	250W	25A	16A	15A	0.5A	0.5A	2A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	150mV	150mV	50mV

REMARKS : +5V AND +3.3V TOTAL MAX : 28A

MIN-6251P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

6/3 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

60/90 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 63% AT 115V; TYPICAL 88% AT 230V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

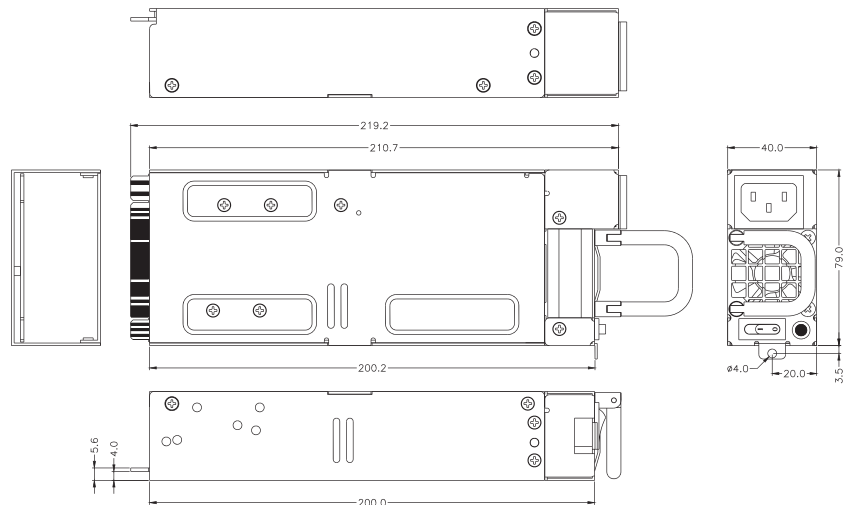
LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 200(D) X 79(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
G1M-5300P	300W	20A	22A	20A	X	0.8A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	X	120mV	60mV

REMARKS : +5V AND +3.3V TOTAL MAX : 25A

G1M-5300P

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

6/3A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

60/80A @ 115/230VAC (25°C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST, BSMI

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~ 40°C , STORAGE : -20°C ~ 80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 68% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

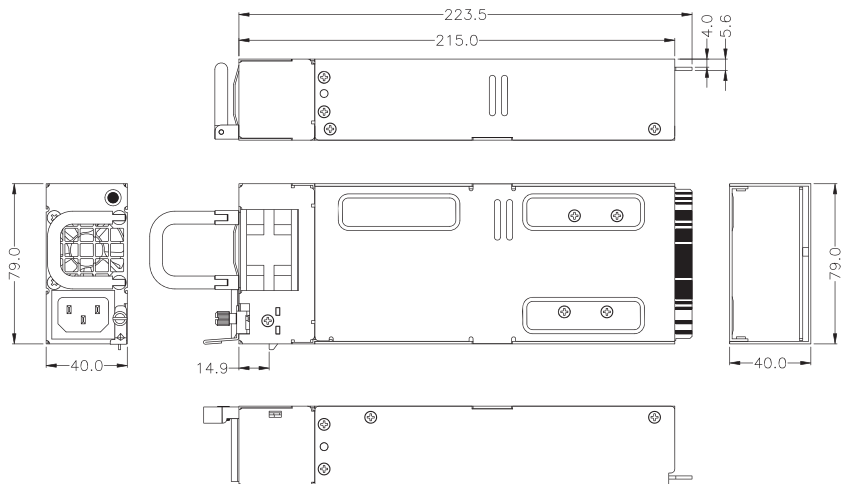
REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 215 (D) x 79 (W) x 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
GTM-5400V	400W	30A	25A	20A	X	0.8A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 35A

GTM-5400V

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

6/3A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

40/60A @ 110/220VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~ 45°C, STORAGE : -20°C ~ 80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 80% TYPICAL @ FULL LOAD

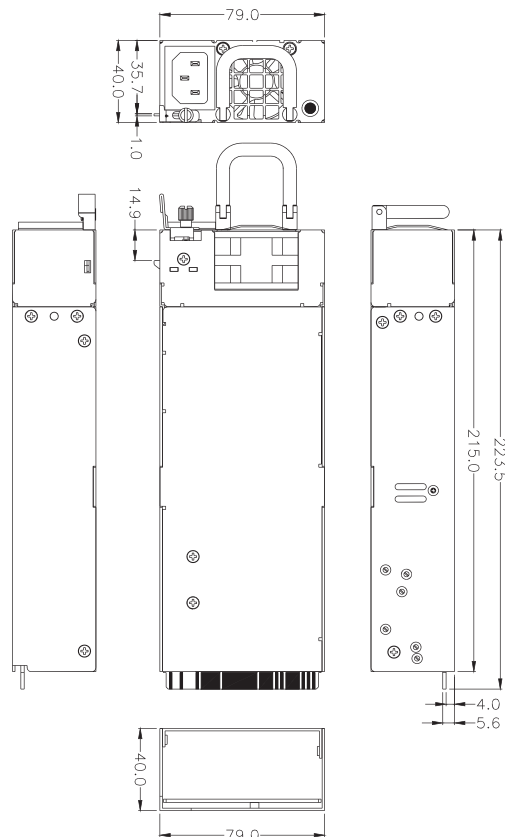
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 215 (D) x 79 (W) x 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MX1-6300P	300W	30A	20A	18A	0.5A	0.8A	2A
MX1-6325P	325W	30A	20A	18A	0.5A	0.8A	2A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		80mV	150mV	80mV	150mV	150mV	80mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 35A

+5V, +3.3V & +12V TOTAL MAX : 278W (MX1-6300P)

+5V, +3.3V & +12V TOTAL MAX : 303W (MX1-6325P)



MX1-6300P MX1-6325P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

6/3A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

60 / 80 AMPS @ 115 / 230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

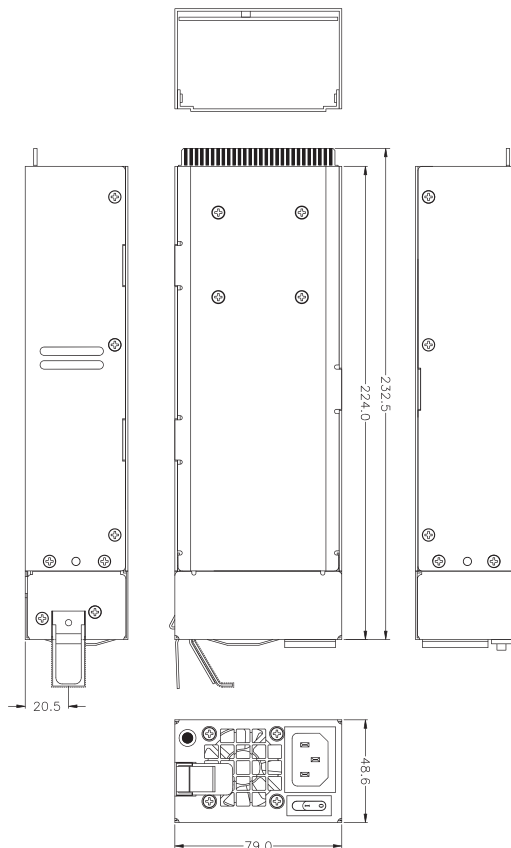
EFFICIENCY : TYPICAL 63% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / SCP

DIMENSION : 224(D) x 79(W) x 48.6(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MX1-5350P	350W	26A	26A	19A	X	0.8A	2.5A
MX1-5375P	375W	26A	28A	20A	X	0.8A	2.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	150mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 35A



MX1-5350P MX1-5375P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

7/3A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

110 / 150 AMPS @ 115 / 230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

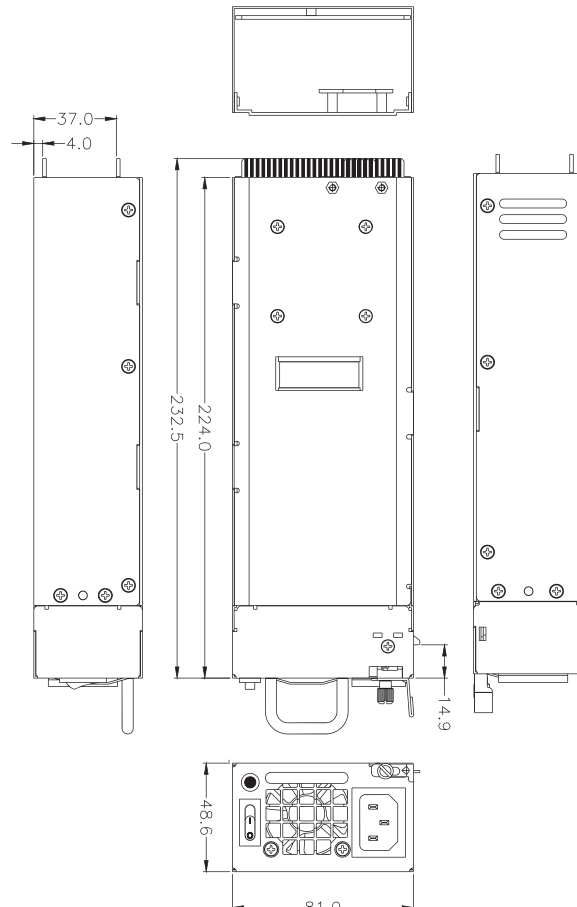
EFFICIENCY : TYPICAL 63% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / SCP

DIMENSION : 224(D) x 81(W) x 48.6(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
GIN-5420P	420W	24A	26A	20A	X	0.8A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		70mV	120mV	70mV	X	120mV	70mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 32A

GIN-5420P

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264 VAC FULL RANGE

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

6/3A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

40/60A @ 115/230VAC (25°C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C ,STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 72% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

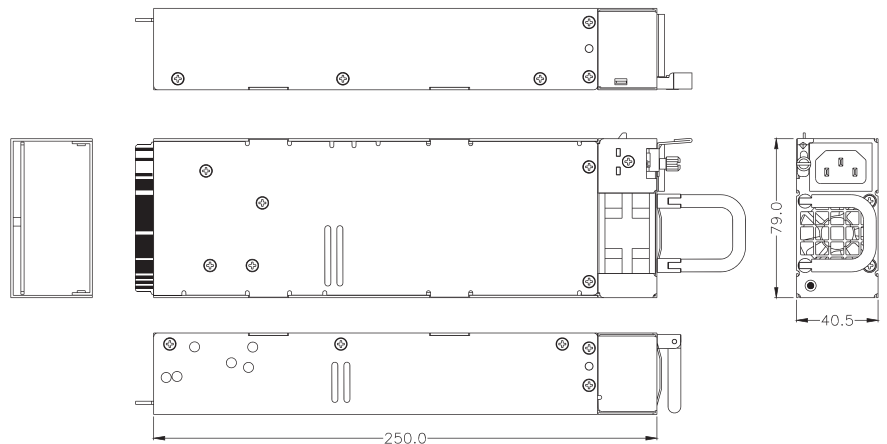
OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 250 (D) x 79 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
GIN-6350P	350W	35A	22A	20A	0.5A	0.8A	2.0A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		80mV	150mV	80mV	150mV	150mV	80mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 35A



GIN-6350P

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264 VAC FULL RANGE

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

8-5 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

60/80A @ 115/230VAC (25°C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C ,STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / SCP

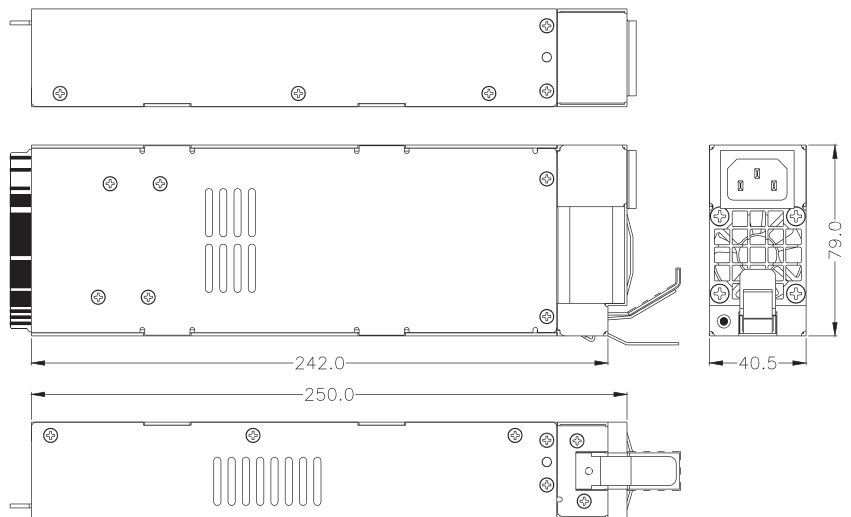
LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 250 (D) x 79 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



AC N+1

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



GIN-3420V GIN-3500V GIN-3600V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

WATTAGE	115V	230V
420W	7A	3A
500W	8A	3A
600W	9A	4A

INRUSH CURRENT :

WATTAGE	115V	230V
420W	35A	70A
500W	35A	70A
600W	35A	70A

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
GIN-3420V	420W	X	33A	X	X	0.8A	3.5A
GIN-3500V	500W	X	40A	X	X	0.8A	3.5A
GIN-3600V	600W	X	48A	X	X	0.8A	3.5A
REGULATION LOAD		X	±5%	X	X	±10%	±5%
RIPPLE AND NOISE		X	120mV	X	X	120mV	50mV

REMARKS : TOTAL OUTPUT MAX : 420W / 500W / 600W

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL >82% AT 115V; 20%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

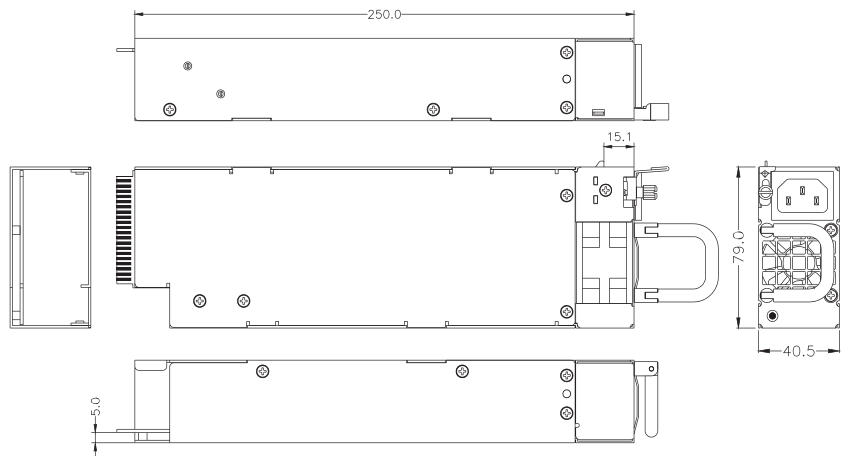
OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

LEAKAGE CURRENT : 3.5mA MAX AT NOMINAL VOLTAGE 250VAC

DIMENSION : 250(D) X 79(W) X 40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Modular PS

AC N+1

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
GIN-3800V	800W	X	65A	X	X	0.8A	3.5A
REGULATION LOAD		X	±5%	X	X	±10%	±5%
RIPPLE AND NOISE		X	120mV	X	X	120mV	50mV

REMARKS : TOTAL OUTPUT MAX : 800W

GIN-3800V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

12/6A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

60/80A @ 115/230VAC (25°C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C ,STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : >80% TYPICAL AT 115 VAC , 20%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

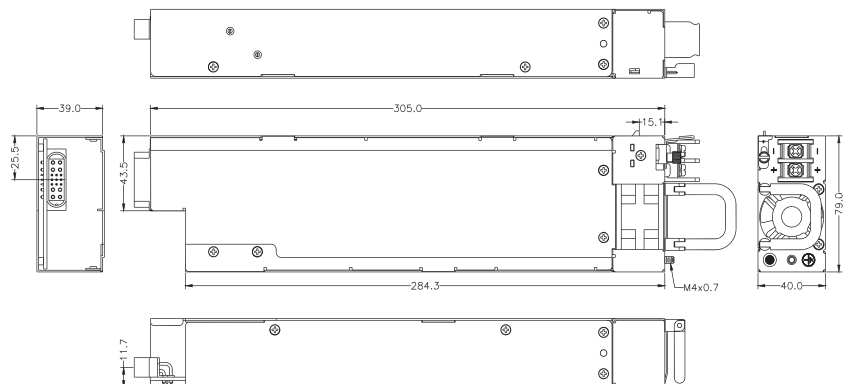
REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 305 (D) x 79 (W) x 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
ATN-5400V	400W	32A	33A	25A	X	0.5A	3.5A
ATN-5500V	500W	32A	41A	25A	X	0.5A	3.5A
ATN-5600V	600W	32A	49A	25A	X	0.5A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 170W

ATN-5400V ATN-5500V ATN-5600V

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC (WITH ± 10% TOLERANCE)

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

6/3A MAX AT ANY LOW/HIGH INPUT VOLTAGE (400W)

8/4A MAX AT ANY LOW/HIGH INPUT VOLTAGE (500W)

9/5A MAX AT ANY LOW/HIGH INPUT VOLTAGE (600W)

INRUSH CURRENT :

25/50A @ 110/220VAC (25°C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C ,STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 86% MAX

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

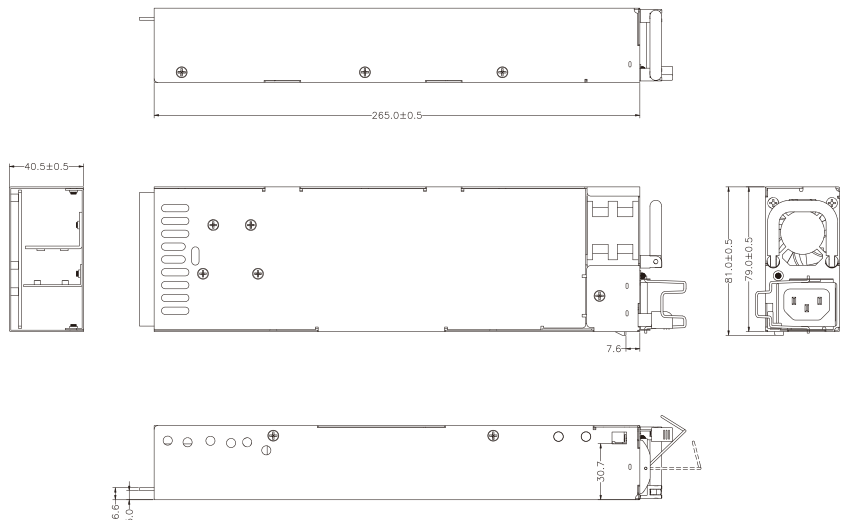
REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 265 (D) x 79 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
K1S-2820V	820W	X	67A	X	X	X	3.5A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

K1S-2820V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

12/6 MAX. AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

60/80 AMPS @115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE: OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : DC OUTPUT 12V MUST BE MAINTAIN 16 ms IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

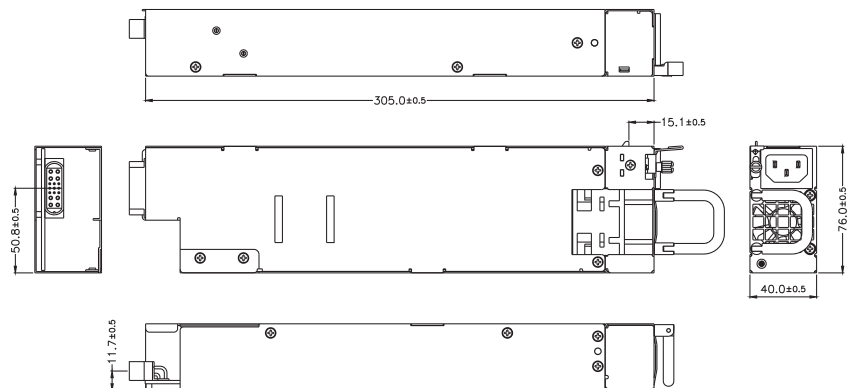
EFFICIENCY : TYPICAL >80% AT 115V, 25%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 305 (D) X 76 (W) X 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



AC N+1

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



KIN-2800V KIN-2A00V KIN-2C00V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

WATTAGE	115V	230V
800W	12A	6A
1000W	15A	7A
1200W	X	9A

INRUSH CURRENT :

WATTAGE	115V	230V
800W	18A	36A
1000W	25A	50A
1200W	X	50A

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
KIN-2800V	800W	X	65A	X	X	X	3.5A
KIN-2A00V	1000W	X	83A	X	X	X	3.5A
KIN-2C00V	1200W	X	100A	X	X	X	3.5A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : TOTAL OUTPUT MAX : 800W / 1000W / 1200W

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 85%(MX) AT 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

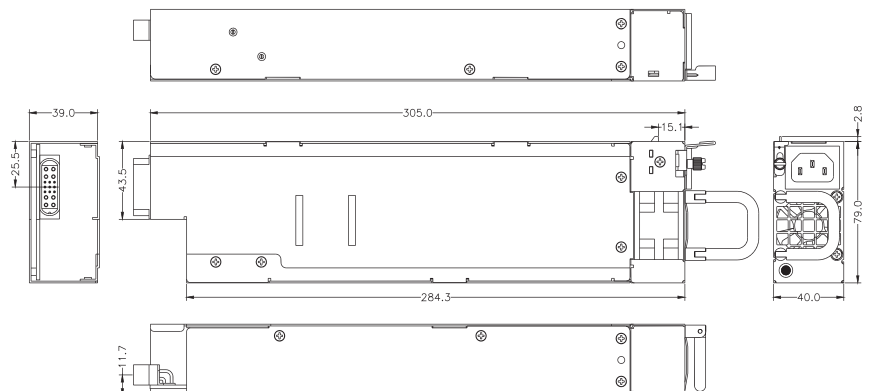
OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 305(D) X 79(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Modular PS

AC 1+1

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1S-2300V-R	300W	X	24A	X	X	X	2.5A
P1S-2400V-R	400W	X	33A	X	X	X	2.5A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : TOTAL OUTPUT MAX : 300W / 400W

P1S-2300V-R P1S-2400V-R

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

WATTAGE	115V	230V
300W	4.5A	2A
400W	5.5A	2.5A

INRUSH CURRENT :

60/80 AMPS @115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL >80% AT 115V; 40%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

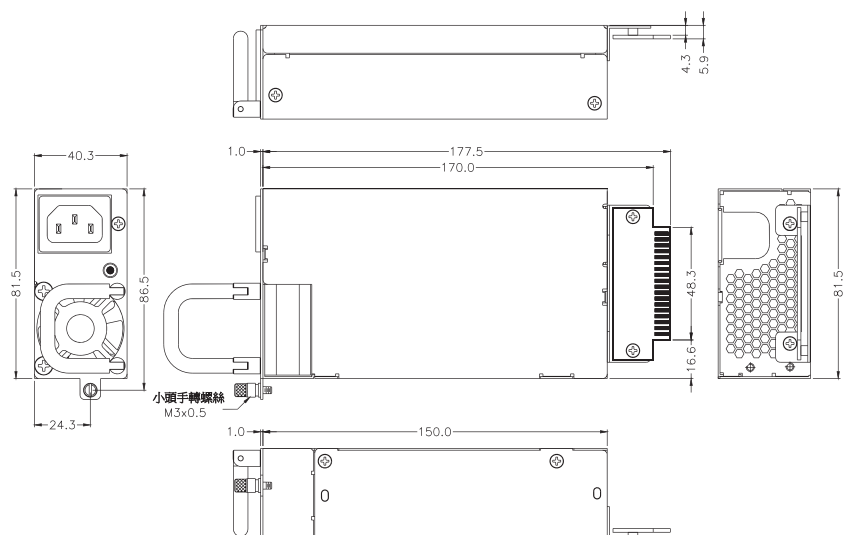
OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

LEAKAGE CURRENT : 3.5mA MAX AT NOMINAL VOLTAGE 250VAC

DIMENSION : 170(D) X 81.5(W) X 40.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
P1S-3180V-R	180W	X	14A	X	X	0.3A	2.5A
REGULATION LOAD		X	±5%	X	X	±10%	±10%
RIPPLE AND NOISE		X	230mV	X	X	120mV	50mV

REMARKS : TOTAL OUTPUT MAX : 180W

P1S-3180V-R

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

3/1.5A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

35 / 70 AMPS @ 115 / 230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 34ms MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 78%±2% @ 230V FULL LOAD

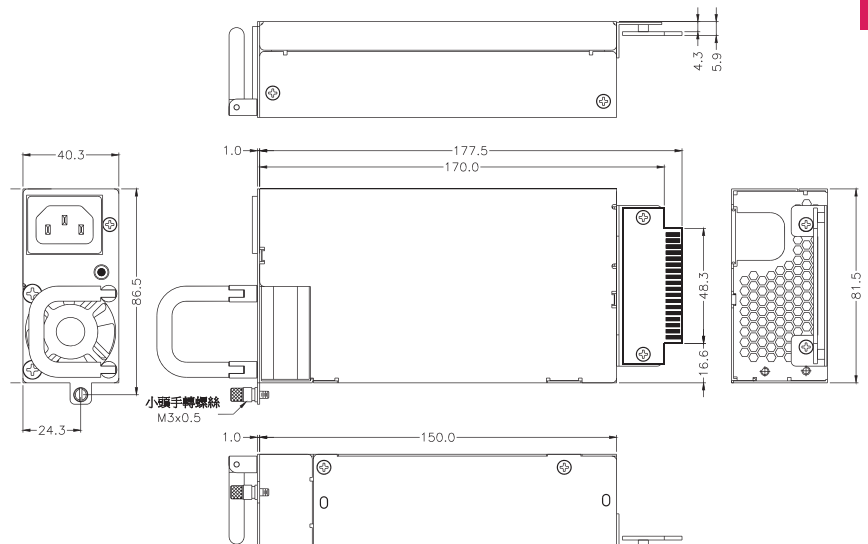
POWER GOOD SIGNAL : ON DELAY 100ms TO 600ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE VAC

DIMENSION : 170(D) x 81.5(W) x 40.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



AC N+1

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1P-2420V	420W	X	35A	X	X	X	3.5A
M1P-2500V	500W	X	41A	X	X	X	3.5A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : TOTAL OUTPUT MAX : 420W / 500W

M1P-2420V M1P-2500V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

8/4A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

40/60A @ 115/230VAC (25°C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C ,STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : >80% TYPICAL AT 230 VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

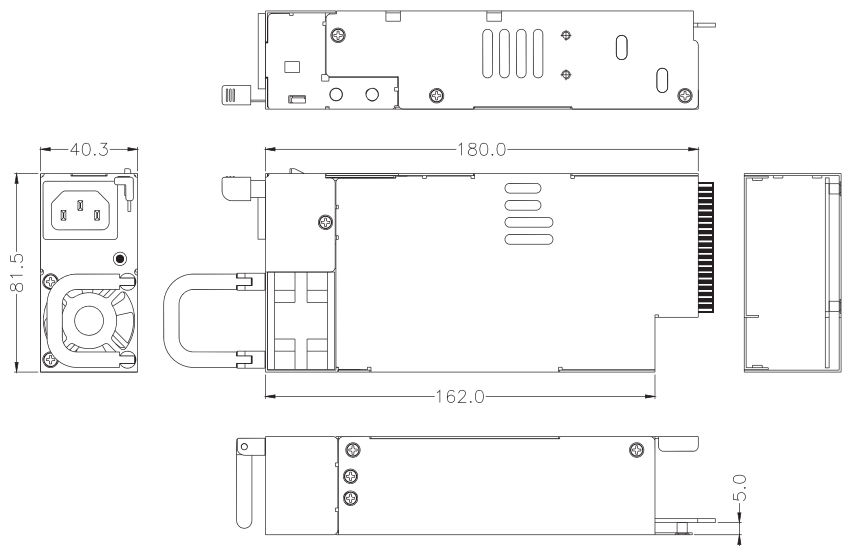
REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 180 (D) x 81.5 (W) x 40.3 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R2Z-6350P-R	350W	25A	28A	20A	0.5A	0.8A	2A
R2Z-6400P-R	400W	25A	28A	20A	0.5A	0.8A	2A
REGULATION LOAD		±5%	±6	±5%	±10%	+5/-7%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	150mV	100mV	50mV

REMARKS : +5V AND +3.3V TOTAL MAX : 175W

+5V AND +3.3V AND+12V TOTAL OUTPUT MAX : 354W/384W

R2Z-6350P-R R2Z-6400P-R

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

8/5A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

60/80A @ 115/230VAC (25°C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C ,STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL AT 115 VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

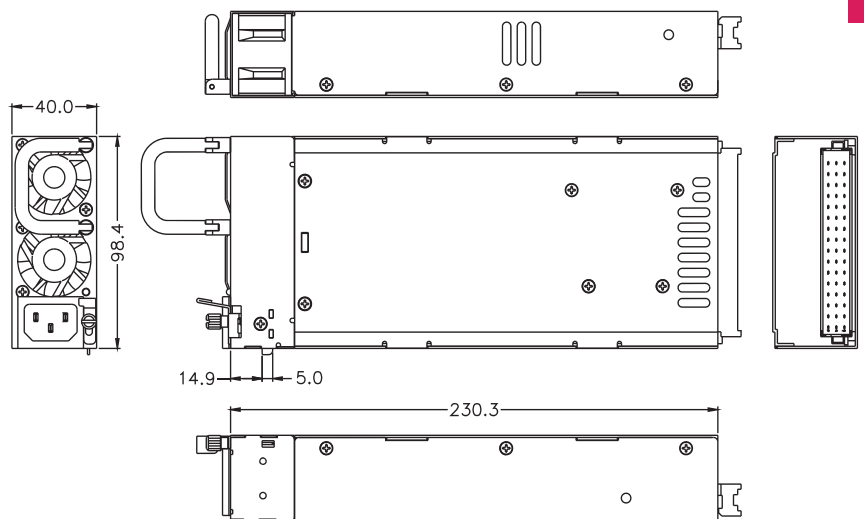
REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 230.3 (D) x 98.4 (W) x 40 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R2W-5600P-R	600W	32A	42A	24A	X	1A	2.0A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	70mV	50mV	X	70mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX 210W



R2W-5600P-R

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

10/5A MAX AT ANY LOW/HIGH INPUT VOLTAGE FOR EACH POWER UNIT

INRUSH CURRENT :

160/180A @ 115/230VAC (25°C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, GOST, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C ,STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT 90VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 65% @ 115VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

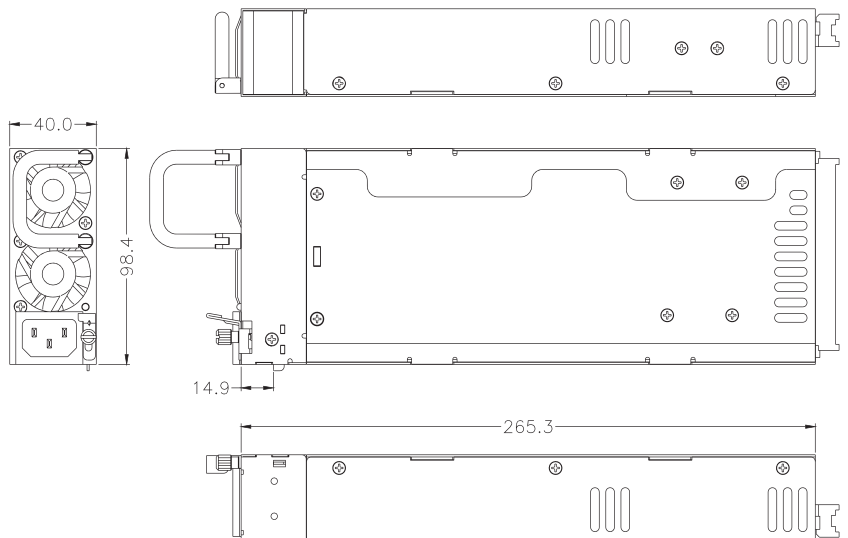
REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 265.3(D) x 98.4(W) x 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R2W-6460P-R	460W	30A	32A	24A	0.7A	0.7A	2A
R2W-6500P-R	500W	30A	32A	24A	0.7A	0.7A	2A
REGULATION LOAD		±5%	±5%	±5%	+5,-10%	+5,-10%	+6,-5%
RIPPLE AND NOISE		50mV	120mV	50mV	120mV	120mV	50mV

REMARKS : TOTAL CURRENT OF +5V AND +3.3V NOT EXCEED 43A

R2W-6460P-R R2W-6500P-R

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

8/4 AMPS @ ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

60/80 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C ,STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 67% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

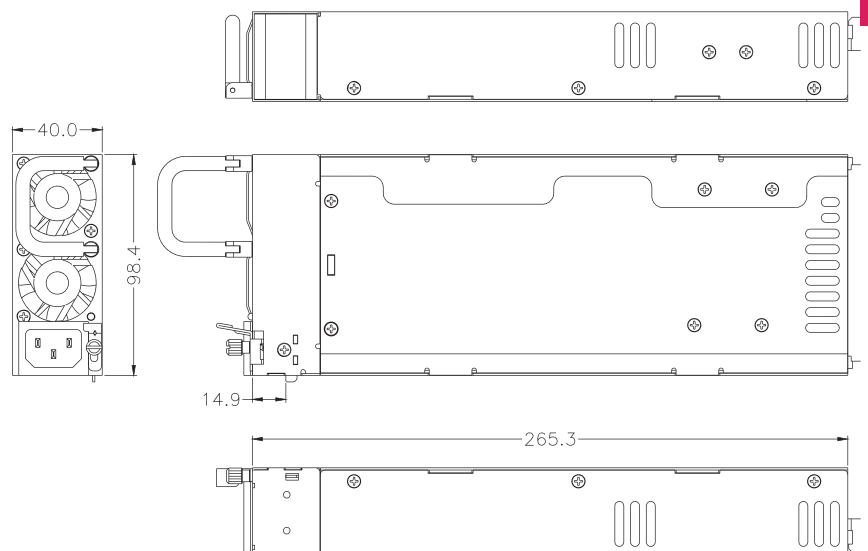
REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 265.3(D) x 98.4(W) x 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MTW-5660V	660W	32A	50A	36A	X	0.8A	3.5A
MTW-5760V	760W	32A	62A	36A	X	0.8A	3.5A
MTW-5820V	820W	32A	67A	36A	X	0.8A	3.5A
MTW-5900V	900W	32A	72A	36A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 200W

MTW-5660V
MTW-5760V
MTW-5820V
MTW-5900V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

WATTAGE	110V	220V
660W	11A	5A
760W	12A	6A
820W	13A	6A
900W	14A	7A

INRUSH CURRENT :

40/60 AMPS @ 110/220 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 45°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL >80% AT 115V; 30%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

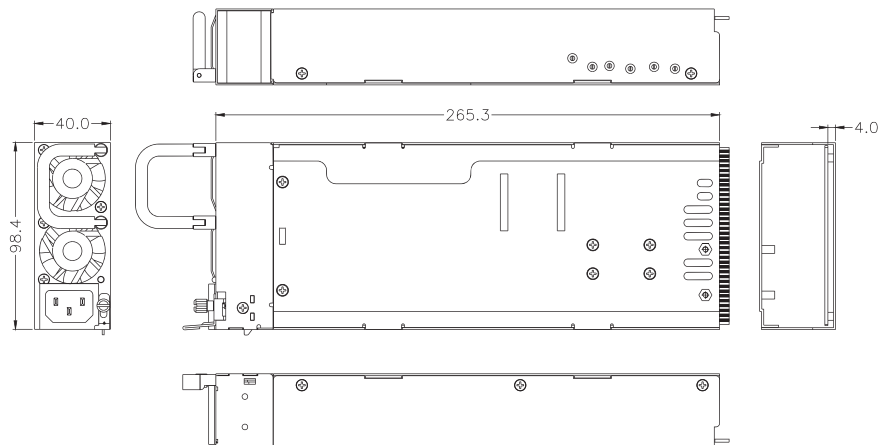
OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 265.3(D) X 98.4(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1Z-5400V	400W	24A	32A	24A	X	0.8A	3.5A
M1Z-5460V	460W	24A	36A	24A	X	0.8A	3.5A
M1Z-5500V	500W	24A	40A	24A	X	0.8A	3.5A
M1Z-5550V	550W	24A	45A	24A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		70mV	120mV	70mV	X	120mV	70mV

M1Z-5400V
M1Z-5460V
M1Z-5500V
M1Z-5550V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

WATTAGE	115V	230V
400W	6A	3A
460W	7A	3A
500W	8A	4A
550W	8A	4A

INRUSH CURRENT :

35/40 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

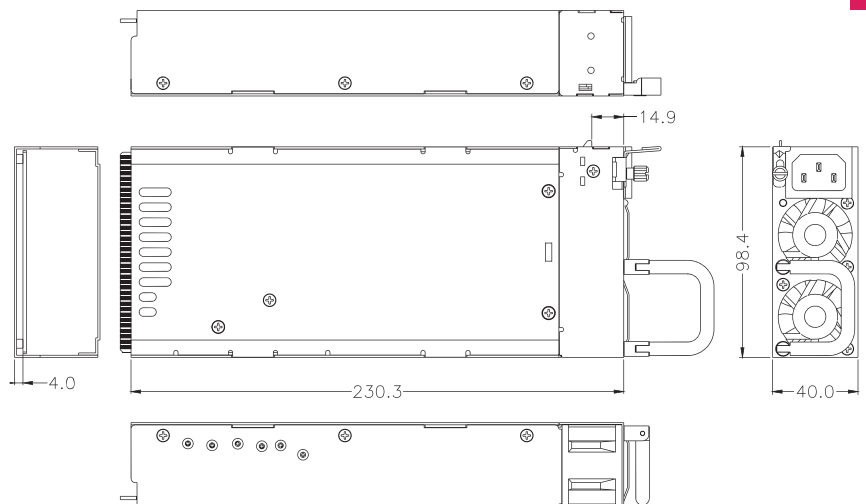
EFFICIENCY : TYPICAL 80% AT 115V; TYPICAL 88% AT 230V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 230.3(D) X 98.4(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



AC N+1

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



G1W-3660V
G1W-3760V
G1W-3860V
G1W-3960V
G1W-3A10V
G1W-3C00V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

WATTAGE	115V	230V
660W	10A	5A
760W	11A	5.5A
860W	13A	6.5A
960W	14A	7A
1010W	15A	7A
1200W	15A	7A

INRUSH CURRENT :

60/80 AMPS @115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
G1W-3660V	660W	X	55A	X	X	0.8A	3.5A
G1W-3760V	760W	X	62A	X	X	0.8A	3.5A
G1W-3860V	860W	X	70A	X	X	0.8A	3.5A
G1W-3960V	960W	X	78A	X	X	0.8A	3.5A
G1W-3A10V	1010W	X	83A	X	X	0.8A	3.5A
G1W-3C00V	1200W	X	98A	X	X	0.8A	3.5A
REGULATION LOAD		X	±5%	X	X	±10%	±5%
RIPPLE AND NOISE		X	120mV	X	X	120mV	50mV

REMARKS : TOTAL OUTPUT MAX : 660W / 760W / 860W / 960W / 1010W / 1200W

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

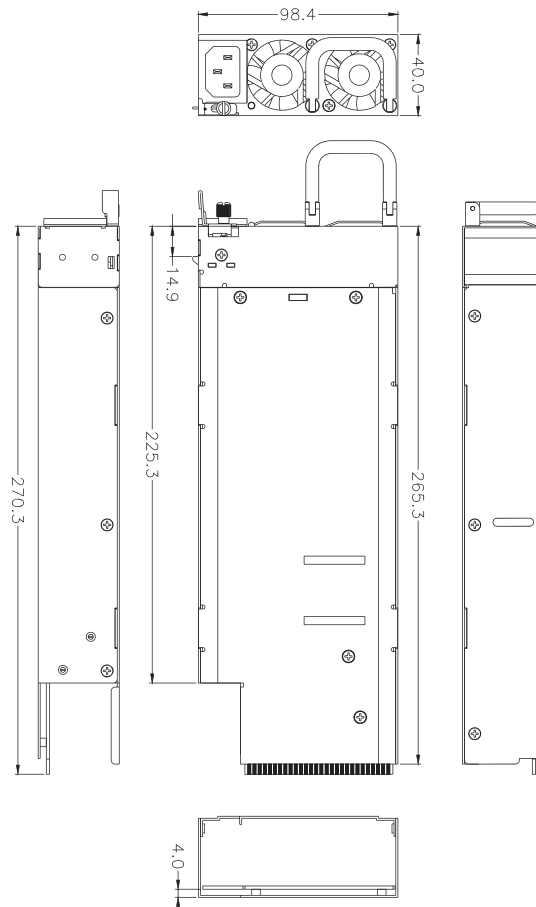
EFFICIENCY : TYPICAL >80% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP

DIMENSION : 265.3(D) X 98.4(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1W-6460P	460W	30A	32A	24A	0.7A	0.7A	2.0A
M1W-6500P	500W	30A	32A	24A	0.7A	0.7A	2.0A
M1W-6550P	550W	30A	36A	24A	0.7A	0.7A	2.0A
REGULATION LOAD		±5%	±6%	±5%	+5/-10%	+5/-10%	+5/-6%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	120mV	70mV

REMARKS : TOTAL CURRENT OF +5V AND +3.3V NOT EXCEED 40A

M1W-6460P M1W-6500P M1W-6550P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

8/4 AMPS MAXIMUM AT ANY NOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

60/100 AMPS @115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, GOST ,BSMI

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT 90VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 65% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

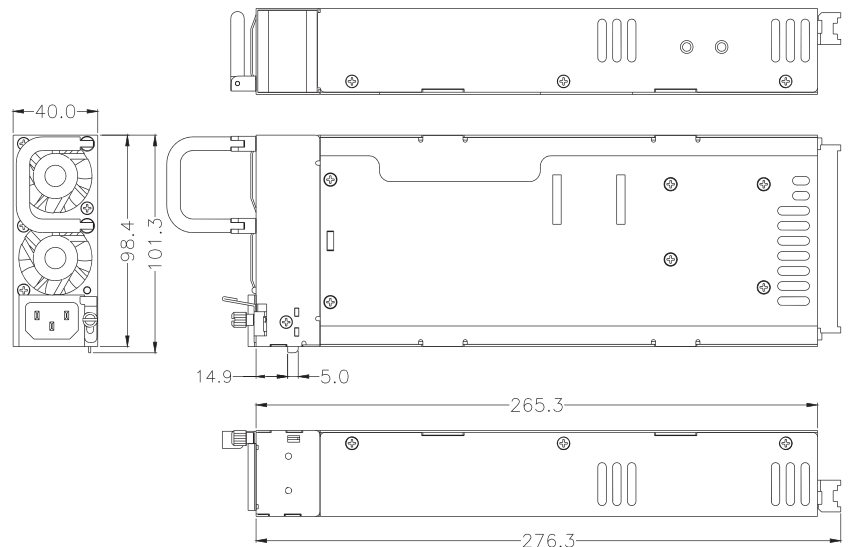
WARNING METHOD : AUDIO ALARM, TTL

DIMENSION : 265.3(D) X 98.4(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



AC N+1

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1W-2600G	600W	X	50A	X	X	X	3A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

M1W-2600G

Modular PS

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

8/4A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

60/80 AMPS @115/230VAC. HIGH FREQUENCY PEAK

AMPLITUDES LASTING LESS THAN 200µs

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL >86% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

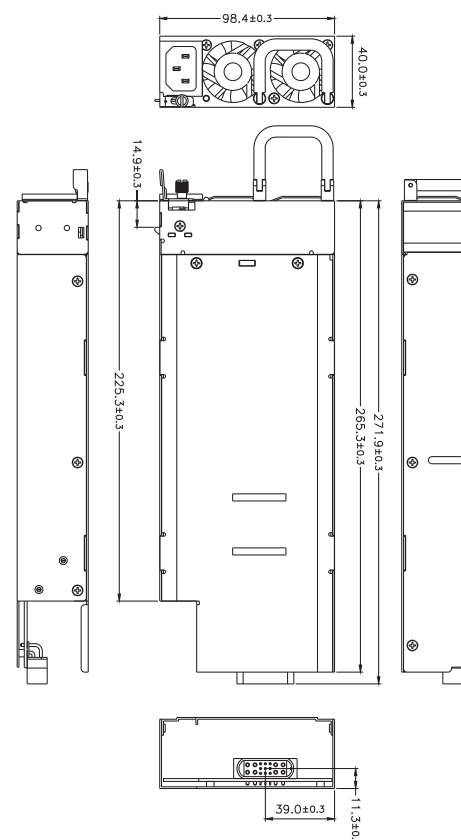
REMOTE ON/OFF CONTROL

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 265.3(D) X 98.4(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



AC N+1

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1W-2810V	810W	X	66A	X	X	X	4A
M1W-2910V	910W	X	75A	X	X	X	4A
M1W-2A10V	1010W	X	83A	X	X	X	4A
M1W-2C00V	1200W	X	100A	X	X	X	4A
M1W-2E00V	1400W	X	116A	X	X	X	4A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : TOTAL OUTPUT MAX : 810W / 910W / 1010W / 1200W / 1400W

M1W-2810V
M1W-2910V
M1W-2A10V
M1W-2C00V
M1W-2E00V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

WATTAGE	115V	230V
810W	12A	6A
910W	14A	7A
1010W	15A	7.5A
1200W	15A	7.5A
1400W	X	9A

INRUSH CURRENT :

15/30 AMPS @115/230VAC. HIGH FREQUENCY PEAK

AMPLITUDES LASTING LESS THAN 200µs

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT 1000W & 115 VAC INPUT VOLTAGE

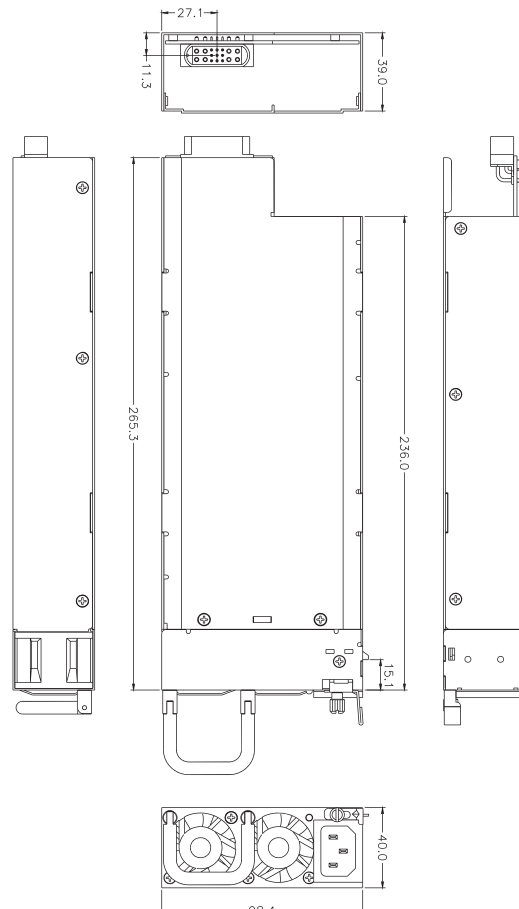
EFFICIENCY : TYPICAL 84% @ 115V; 90% @ 230V, FULL LOAD OF 50%

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 265.3(D) X 98.4(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Modular PS





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
M1W-3500V	500W	X	40A	X	X	0.8A	3.5A
M1W-3600V	600W	X	48A	X	X	0.8A	3.5A
REGULATION LOAD		X	±5%	X	X	±10%	±5%
RIPPLE AND NOISE		X	120mV	X	X	120mV	50mV

REMARKS : TOTAL OUTPUT MAX : 500W / 600W

M1W-3500V M1W-3600V

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264 VAC FULL RANGE

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

9/4A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

35/70A @ 115/230VAC (25°C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C ,STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL >82% @ 115V , 20%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

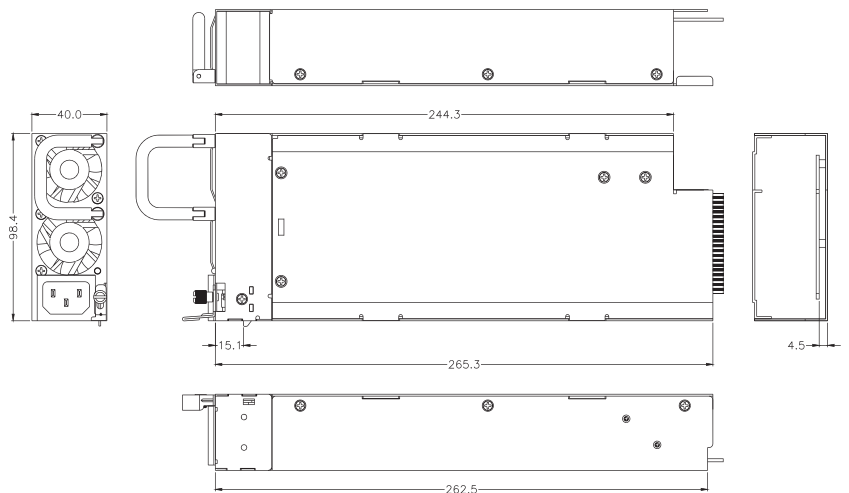
REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 265.3 (D) x 98.4 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
S1L-2C00V	1200W	X	100A	X	X	X	4A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : +12V OUTPUT REDUCE TO 83A AT LOW LINE OPERATION (115VAC)

S1L-2C00V

INPUT CHARACTERISTICS:

VOLTAGE :

100~240VAC ±10 TOLERANCE (OUTPUT : 1010W)

200~240VAC ±10 TOLERANCE (OUTPUT : 1200W)

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

15/8 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

60/80 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 12mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL >85% @ 230V FULL LOAD

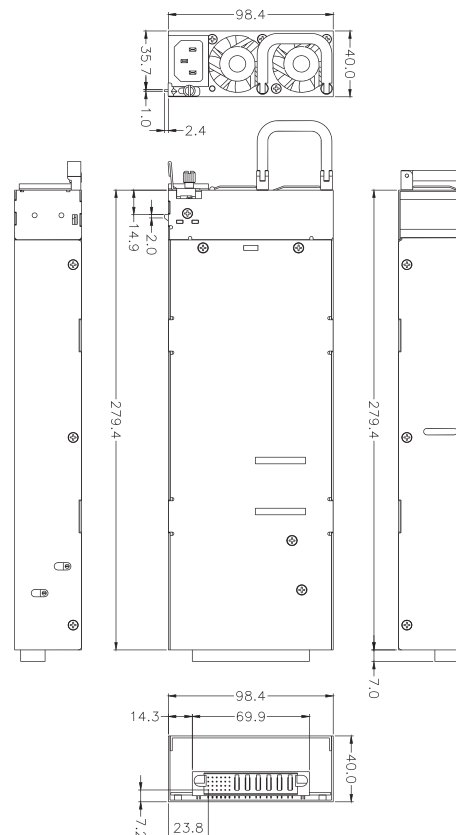
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 279.4(D) x 98.4(W) x 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Modular PS



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
S1M-5350P	350W	32A	28A	30A	X	1A	2A
S1M-5460P	460W	32A	32A	30A	X	1A	2A
S1M-5500P	500W	32A	32A	30A	X	1A	2A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		70mV	120mV	70mV	X	120mV	70mV

REMARKS : +5V AND +3.3V TOTOAL OUTPUT MAX. 50A

S1M-5350P S1M-5460P S1M-5500P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

8/4 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

60/100 AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST, BSMI, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

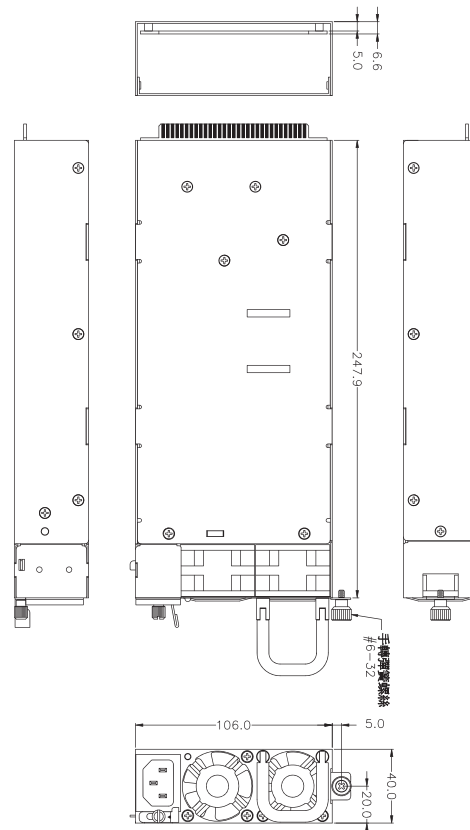
EFFICIENCY : TYPICAL 67% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 247.9(D) x 106(W) x 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
S1M-5500V	500W	32A	40A	25A	X	1A	3.5A
S1M-5550V	550W	32A	45A	25A	X	1A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		60mV	120mV	60mV	X	120mV	60mV

REMARKS : +5V AND +3.3V TOTOAL OUTPUT MAX. 45A

S1M-5500V S1M-5550V

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

8/4 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

40/60AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

POWER FACTOR CORRECTIONPFC CAN REACH THE TARGET

OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

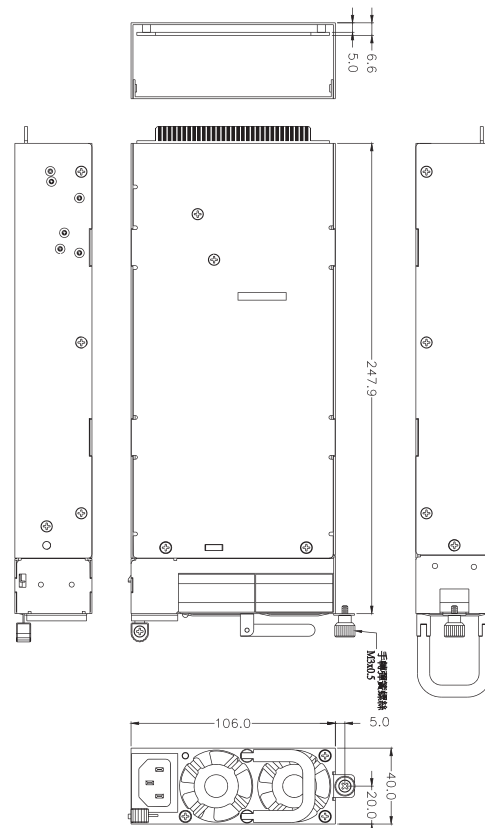
EFFICIENCY : TYPICAL 80% AT 115V; TYPICAL 82% AT 230V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 247.9(D) x 106(W) x 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRT-6300P-R	300W	25A	16A	18A	0.5A	0.5A	2A
MRM-6320P-R	320W	25A	16A	18A	0.5A	0.5A	2A
REGULATION LOAD		±5%	±7%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	60mV

REMARKS : +5V AND +3.3V TOTOAL OUTPUT MAX. 35A

+5V,+3.3V & +12V TOTAL MAX : 282W / 302W

MRT-6300P-R MRT-6320P-R

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

6/3 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

60/80AMPS @ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

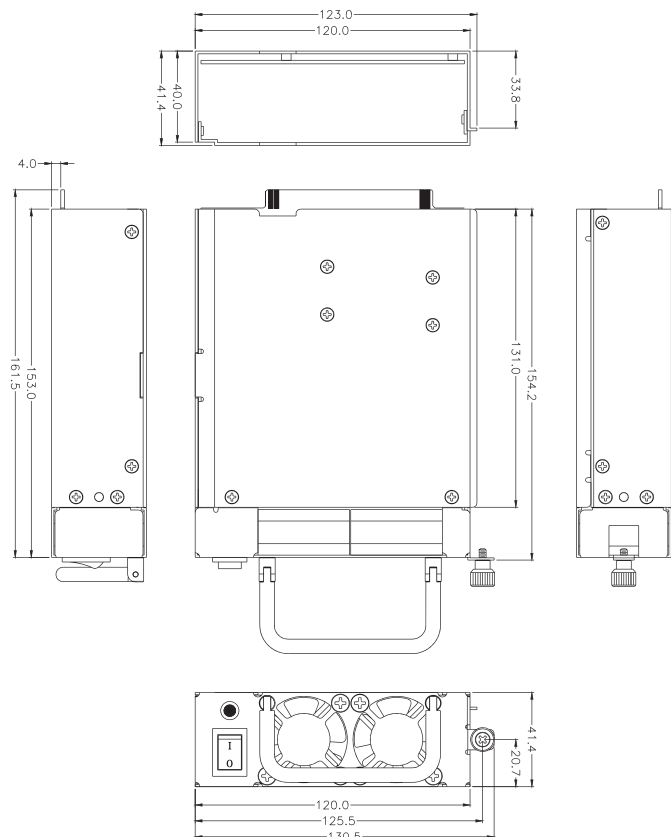
EFFICIENCY : TYPICAL 63% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / SCP

DIMENSION : 153(D) x 120(W) x 41.4(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R2A-5350P-R	350W	35A	8A	35A	X	0.8A	2A
REGULATION LOAD		±5%	±7%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	150mV	60mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 60A



R2A-5350P-R

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264 VAC FULL RANGE

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

7/3.5A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

90/130A @ 115/220VAC (25°C)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C ,STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 65% @115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

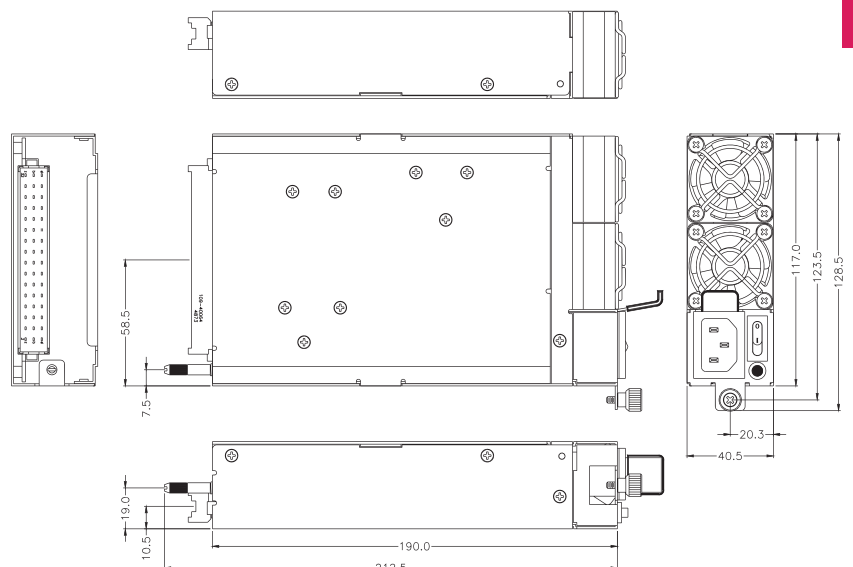
REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 190(D) x 117(W) x 40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
R2A-6300P-R	300W	32A	16A	20A	0.5A	0.8A	1.5A
R2A-6320P-R	320W	32A	16A	20A	0.5A	0.8A	1.5A
REGULATION LOAD		±5%	±7%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	60mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 32A



R2A-6300P-R R2A-6320P-R

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

6.0 / 3.0 A MAX AT ANY LOW/HIGH INPUT VOLTAGE

INRUSH CURRENT :

50A / 80A MAX. FOR 110 / 220 VAC PER POWER MODULE

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL 63% @ 115V FULL LOAD

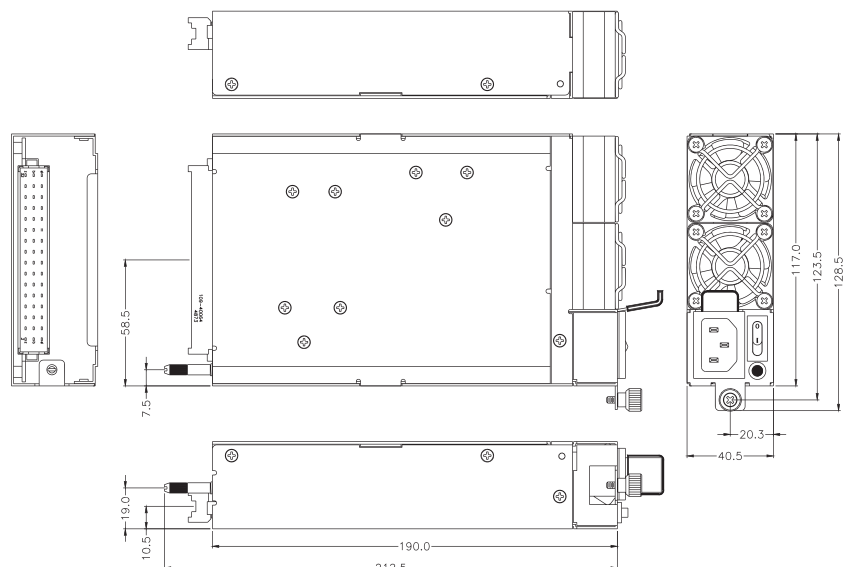
POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / SCP

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 190(D) X 117(W) X 40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





MRM-6550P-R MRM-6600P-R MRM-6650P-R

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

WATTAGE	110V	220V
550W	10A	5A
600W	10A	5A
650W	11A	5.5A

INRUSH CURRENT :

WATTAGE	110V	220V
550W	80A	150A
600W	80A	150A
650W	110A	150A

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD,
FOLLOWING THE STANDARD OF IEC 61000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, GOST



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRM-6550P-R	550W	28A	41A	28A	0.8A	1A	2.5A
MRM-6600P-R	600W	28A	45A	28A	0.8A	1A	3.5A
MRM-6650P-R	650W	30A	48A	28A	0.8A	1A	3.5A
REGULATION LOAD		+5/-4%	+5/-4%	+5/-3%	+5/-8%	±5%	+5/-4%
RIPPLE AND NOISE		50mV	120mV	50mV	120mV	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 45A

+5V ,+3.3V & 12V TOTAL MAX : 522W (MRM-6550P-R)

+5V ,+3.3V & 12V TOTAL MAX : 572W (MRM-6600P-R)

+5V ,+3.3V & 12V TOTAL MAX : 622W (MRM-6650P-R)

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 68% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

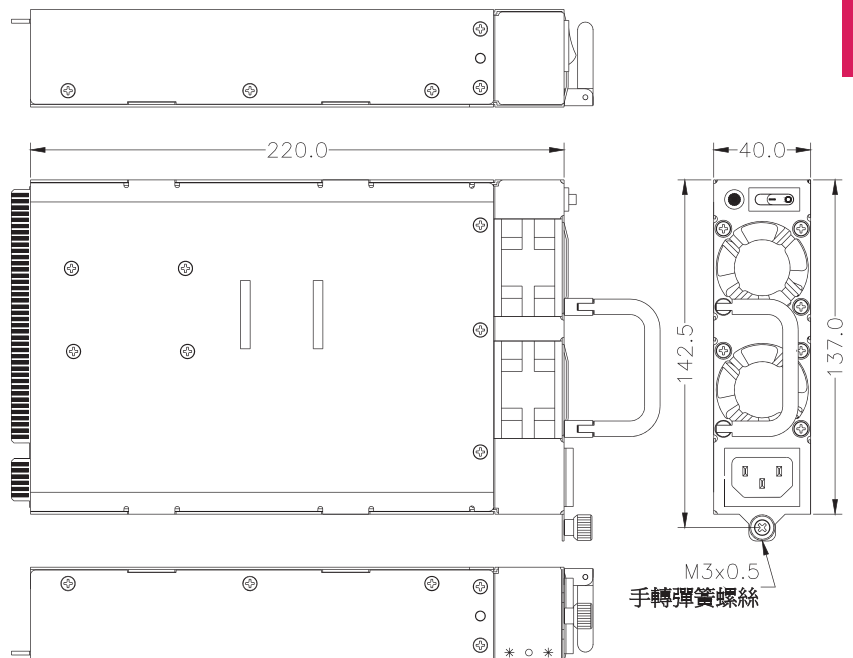
LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 220(D) X 137(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRW-6350P	350W	35A	22A	25A	0.5A	1.2A	2A
MRW-6400P	400W	35A	28A	25A	0.5A	1.2A	2A
MRW-6420P	420W	35A	28A	25A	0.5A	1.2A	2A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	60mV

REMARKS : NEITHER +5V AND +3.3V, NOR +3.3V AND +12V SHOULD EXCEED 40A / 48A / 48A

+5V , +3.3V & +12V TOTAL MAX : 330W / 378W / 398W

MRW-6350P-R MRW-6400P-R MRW-6420P-R

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

8/4 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

60/80 AMPS @110/220 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 110V,

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT NORMAL INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

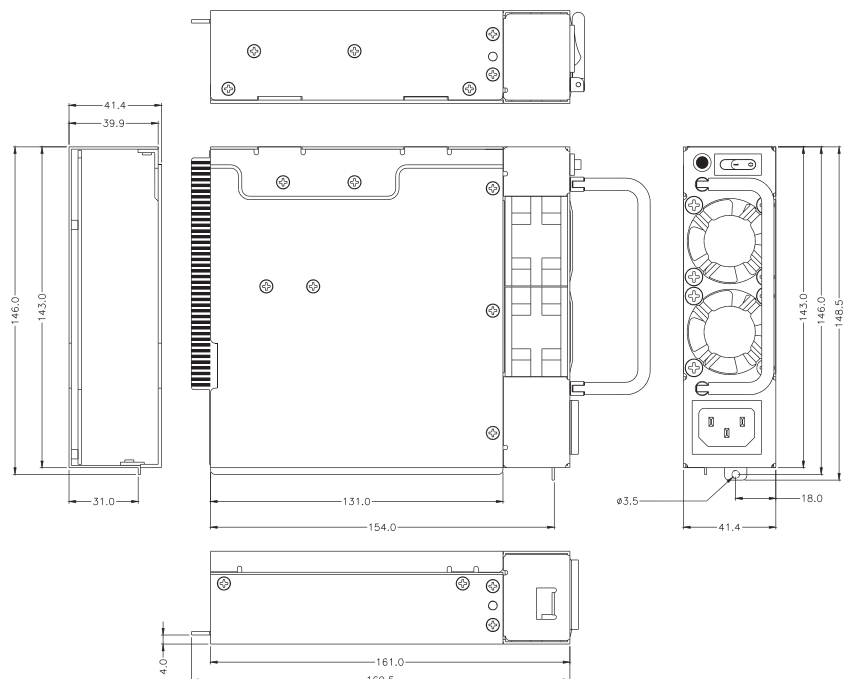
LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 161 (D) X 143(W) X 41.4(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



AC 1+1

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRW-3450V-R	450W	X	37A	X	X	0.8A	3.5A
MRW-3500V-R	500W	X	41A	X	X	0.8A	3.5A
MRW-3600V-R	600W	X	49A	X	X	0.8A	3.5A
REGULATION LOAD		X	±5%	X	X	±5%	±5%
RIPPLE AND NOISE		X	120mV	X	X	120mV	50mV

MRW-3450V-R MRW-3500V-R MRW-3600V-R

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

WATTAGE	115V	230V
450W	7A	3A
500W	8A	4A
600W	9A	4A

INRUSH CURRENT :

25/50 AMPS @132/264VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16ms MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : TYPICAL >80% AT 115V; 20%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

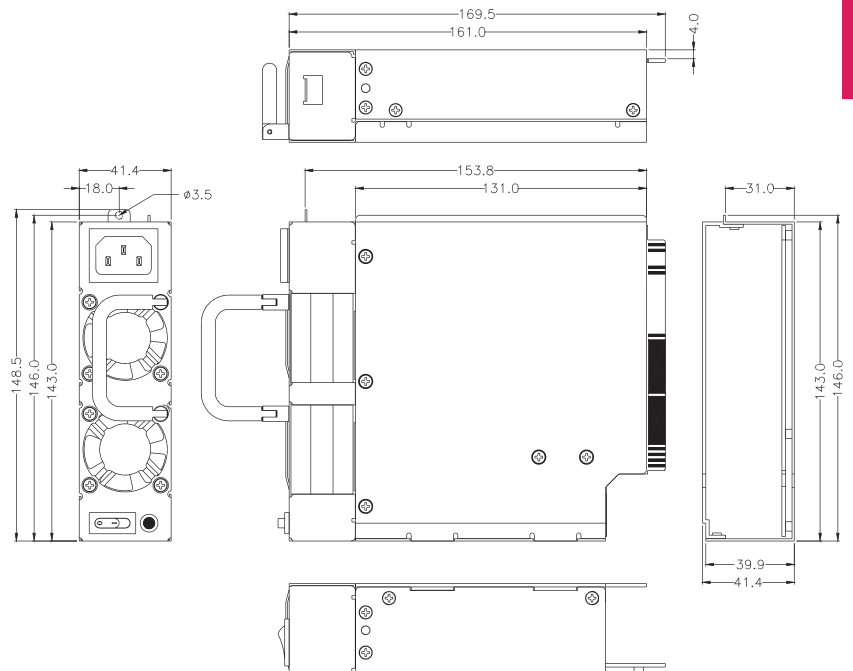
OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 161(D) X 143(W) X 41.4(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Modular PS



AC N+1

HIGH EFFICIENCY
AC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRT-2320G-R	320W	X	26A	X	X	X	3A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

MRT-2320G-R

Modular PS

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

5 / 3A @ 115 / 230 VAC

INRUSH CURRENT :

25/50 AMPS @115/230 VAC (AT 25 DEGREES AMBIENT COLD START FOR EACH POWER UNIT)

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 115V, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16mS MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

EFFICIENCY : THE MAXIMUM POWER SUPPLY SYSTEM EFFICIENCY SHALL BE 88.57%, MEASURED AT NOMINAL INPUT VOLTAGE 230 V AND FULL LOADING.

POWER GOOD SIGNAL : ON DELAY 100mS TO 500mS · OFF DELAY 1mS

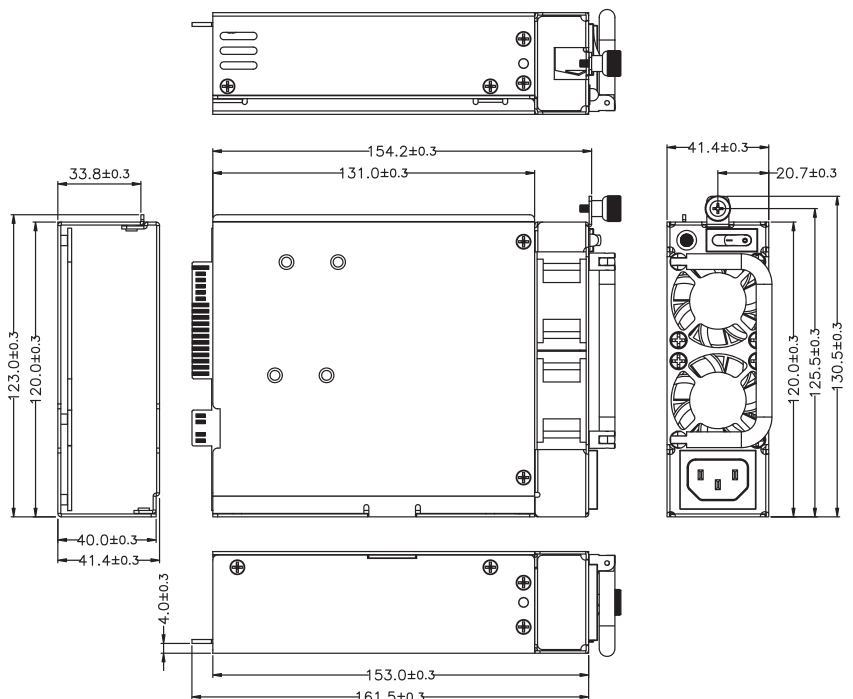
REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

LEAKAGE CURRENT : 3.5mA. RMS. MEASUREMENT WILL BE MADE AT 240VAC AND 60HZ.

DIMENSION : 153(D) x 120(W) x 41.4(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRG-6460P-R	460W	35A	32A	25A	0.8A	1A	2.5A
MRG-6500P-R	500W	35A	32A	25A	0.8A	1A	2.5A
REGULATION LOAD		±5%	±6%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	60mV

REMARKS : +5V AND +3.3V TOTOAL OUTPUT MAX. 45A

+3.3V AND +12V TOTAL MAX : 50A

+5V , +3.3V & +12V TOTAL MAX : 432W / 472W

MRG-6460P-R MRG-6500P-R

INPUT CHARACTERISTICS:

VOLTAGE :

90V ~ 264VAC (WITH ± 10% TOLERANCE)

FREQUENCY :

47Hz ~ 63Hz

INPUT CURRENT :

9/4.5 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

65/125 AMPS @115/230 VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C ,STORAGE : -20°C ~80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL @ 115 VAC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

REMOTE ON/OFF CONTROL

OUTPUT PROTECTION : OPP / SCP

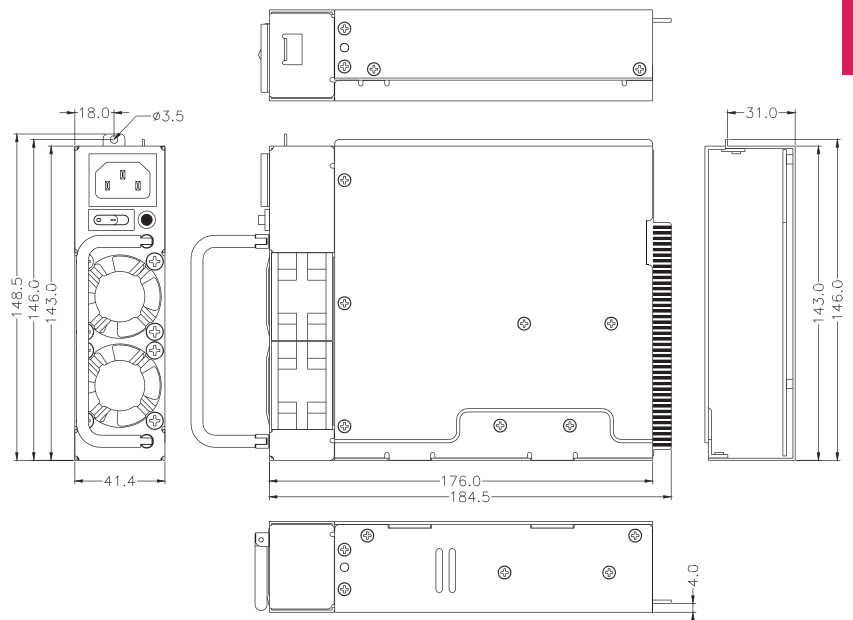
LEAKAGE CURRENT : 3.5mA MAX. AT NOMINAL VOLTAGE 250VAC

DIMENSION : 176 (D) x 143 (W) x 41.4 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MPN1-5350P	350W	25A	26A	22A	X	0.8A	3A
MPN1-5420P	420W	25A	26A	22A	X	0.8A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	150mV	50mV

REMARKS : +5V AND +3.3V TOTAL MAX : 35A



MPN1-5350P MPN1-5420P

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264VAC FULL RANGE

FREQUENCY :

47 ~ 63HZ

INPUT CURRENT :

WATTAGE	115V	230V
350W	7A	3.5A
420W	8A	4A

INRUSH CURRENT :

WATTAGE	115V	230V
350W	60A	120A
420W	75A	150A

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 16ms MIN. AT FULL LOAD & 115 VAC INPUT VOLTAGE

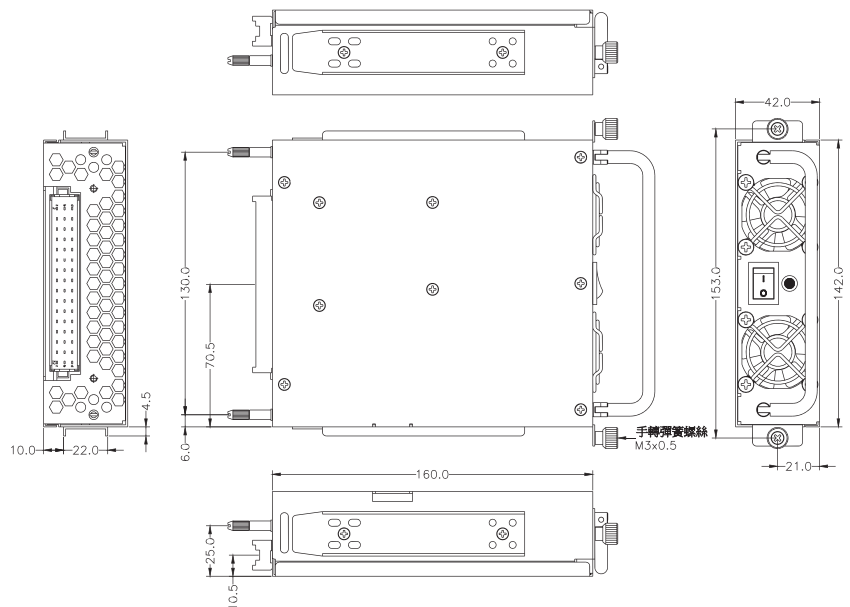
EFFICIENCY : TYPICAL 68% @ 115V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP

DIMENSION : 160(D) x 142 (W) x 42(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRG-3700V	700W	X	57A	X	X	0.8A	3.5A
MRG-3800V	800W	X	65A	X	X	0.8A	3.5A
REGULATION LOAD		X	±5%	X	X	±5%	±5%
RIPPLE AND NOISE		X	120mV	X	X	120mV	50mV

MRG-3700V-R MRG-3800V-R

INPUT CHARACTERISTICS:

VOLTAGE :

90 ~ 264 VAC FULL RANGE

FREQUENCY :

47 ~ 63 Hz

INPUT CURRENT :

WATTAGE	115V	230V
700W	9A	5A
800W	9A	5A

INRUSH CURRENT :

35/75A@ 115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% AT 115/230VAC, FULL

LOAD

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE: OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : DC OUTPUT 12V MUST BE MAINTAIN 16 ms IN REGULATION LIMIT AT

NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL >80% AT 115V, 25%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

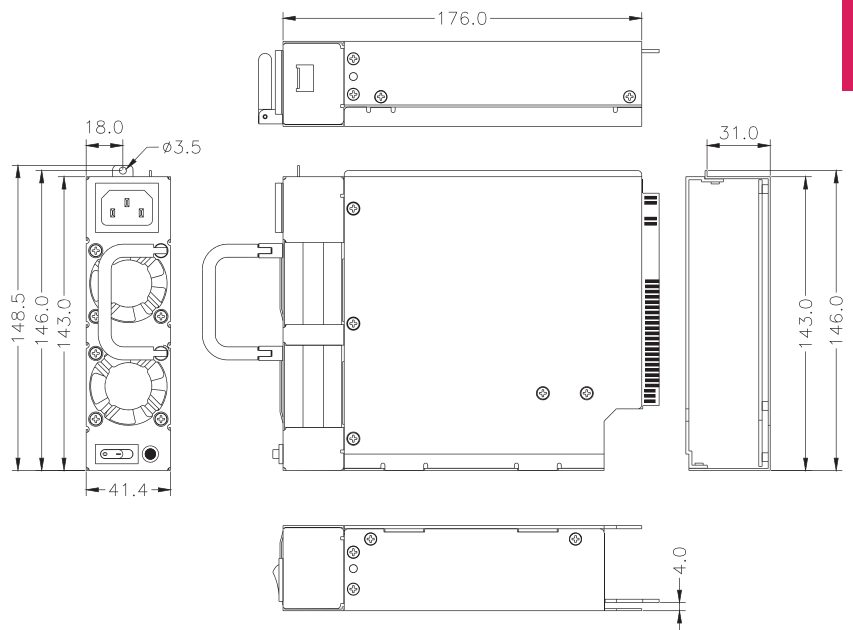
OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 176 (D) X 143(W) X 41.4(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
MRH-2AD0V	1400W	X	116A	X	X	X	3A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : TOTAL POWER MAX 1400W

MRH-2AD0V

INPUT CHARACTERISTICS:

VOLTAGE :

103 ~ 264 VAC FULL RANGE.

FREQUENCY :

47 ~ 63 Hz.

INPUT CURRENT :

15/10 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

15/30 AMPS @115/230VAC

POWER FACTOR CORRECTION :

PFC CAN REACH THE TARGET OF 95% @ 110V, FULL LOAD,

FOLLOWING THE STANDARD OF IEC 1000-3-2

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE: OPERATING 0°C ~ 50°C ; STORAGE TEMPERATURE: -20°C ~ 80°C

HOLD UP TIME: 16mS MINIMUM AT NOMINAL INPUT VOLTAGE

EFFICIENCY: TYPICAL 82% @ 115V, TYPICAL 84% @ 230V

LEAKAGE CURRENT: 3.5 mA. MAX. AT NOMINAL VOLTAGE 240VAC

POWER GOOD SIGNAL: ON DELAY 50 ms TO 400 ms, OFF DELAY 5 ms

OUTPUT PROTECTION: OPP / OVP / OVP / SCP

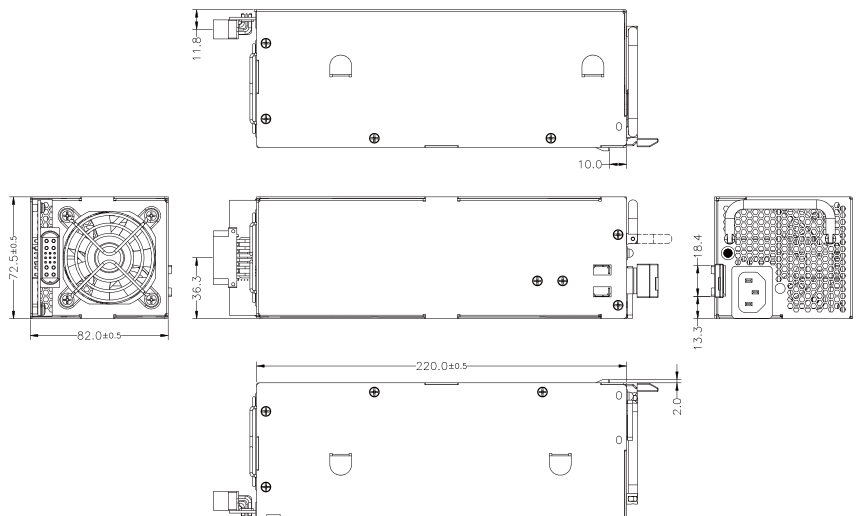
REMOTE ON/OFF CONTROL

DIMENSION: 220 (D) x 72.5 (W) x 82 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DR1U-2200V	200W	X	16A	X	X	X	2A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 200W

DR1U-2200V

INPUT CHARACTERISTICS:

VOLTAGE :

-40 ~ -72VDC; NORMAL -48VDC

INRUSH CURRENT :

10AMPS @ -48VDC

FREQUENCY :

0HZ (DC)

STEADY-STATE CURRENT :

10/5A MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

10AMPS MAX. @ -48VDC INPUT

START UP CURRENT :

13 AMPS MAX. @ -48VDC INPUT

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~ 80°C

HOLD UP TIME : 1 ms MINIMUM AT FULL LOAD (DC -48V)

EFFICIENCY : TYPICAL 76-80% @ -48VDC, 12V/16A, 5VSB/1.6A

POWER GOOD SIGNAL : ON DELAY 100 ms TO 600 ms

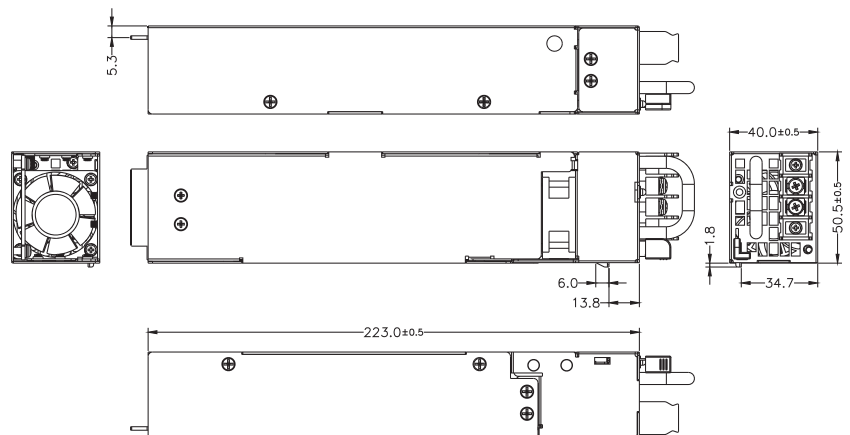
OUTPUT PROTECTION : OPP / OVP / SCP

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

DIMENSION : 223(D) X 50.5(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DR1V-2250V	250W	X	20A	X	X	X	2.5A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 250W

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~ 80°C

HOLD UP TIME : 1 mSEC IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 78%(+/-2%) AT -48VDC, 12V/20A 5VSB/2A

POWER GOOD SIGNAL : ON DELAY 100 ms TO 600 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

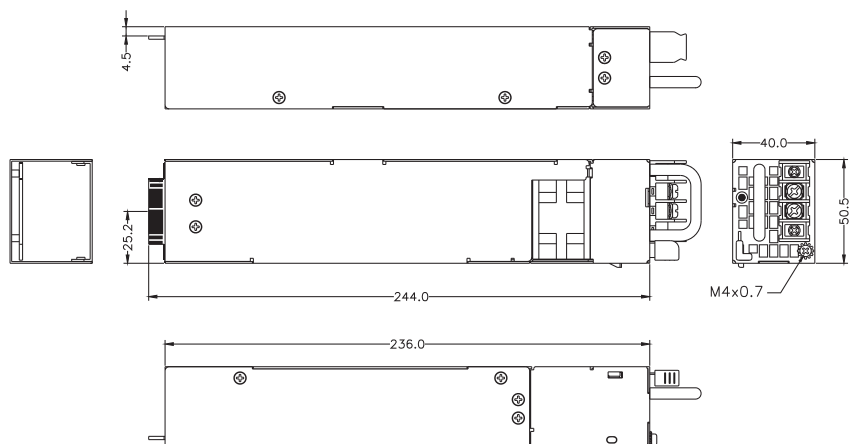
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE ON/OFF CONTROL

DIMENSION : 236 (D) X 50.5(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



DR1V-2250V

INPUT CHARACTERISTICS:

VOLTAGE :

-40 ~ -72VDC, NORMAL -48VDC

STEADY-STATE CURRENT :

10/5 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

10AMPS @ -48VDC (AT 25 DEGREES AMBIENT COLD START)

START UP CURRENT :

13AMPS MAX. @ -48VDC INPUT (AT 25 DEGREES AMBIENT

COLD STAR)

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1S-3400V	400W	X	33A	X	X	0.8A	3.5A
DM1S-3500V	500W	X	41A	X	X	0.8A	3.5A
DM1S-3401V	400W	X	33A	X	X	0.8A	3.5A
DM1S-3501V	500W	X	41A	X	X	0.8A	3.5A
DM1S-3551V	550W	X	45A	X	X	0.8A	3.5A
REGULATION LOAD		X	±5%	X	X	±10%	±5%
RIPPLE AND NOISE		X	120mV	X	X	120mV	50mV

DM1S-3400V
DM1S-3500V
DM1S-3401V
DM1S-3501V
DM1S-3551V

INPUT CHARACTERISTICS:

VOLTAGE :

VOLTAGE : -36~-72VDC

INPUT CURRENT :

WATTAGE	-36~-72VDC
400W	15~7 AMP (11 AMP AT -48VDC)
500W	19~9 AMP (14 AMP AT -48VDC)
550W	21~10 AMP (15 AMP AT -48VDC)

INRUSH CURRENT :

40AMPS @ -48VDC (AT 25 DEGREES AMBIENT COLD START)

INRUSH CURRENT :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C ,STORAGE -20°C ~ 80°C

HOLD UP TIME : 1.6 msec IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : >80% TYPICAL @ -48V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

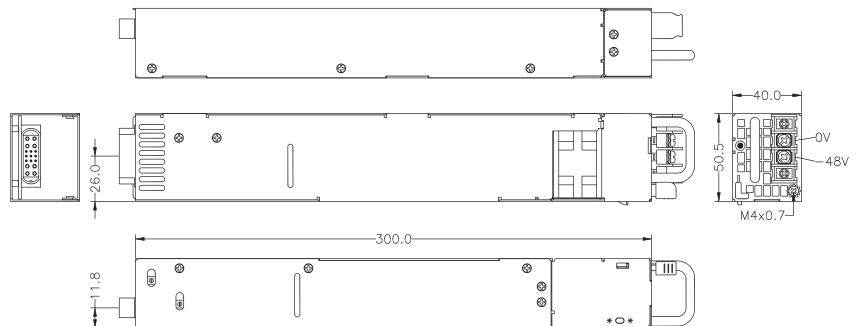
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE ON/OFF CONTROL

DIMENSION : 300 (D) X 50.5(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1U-2650V	650W	X	54A	X	X	X	3.0A
DM1U-2750V	750W	X	62A	X	X	X	3.0A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

DM1U-2650V DM1U-2750V

INPUT CHARACTERISTICS:

VOLTAGE :

-40 ~ -72VDC; NORMAL -48VDC

INRUSH CURRENT :

10AMPS @ -48VDC

FREQUENCY : 0HZ (DC)

INPUT CURRENT :

(20/10 AMPS – 650W, 24/14 AMPS – 750W)MAXIMUM AT

ANY LOW/HIGH RANGE INPUT VOLTAGE

START UP CURRENT:

20 AMPS MAX. @ -48VDC INPUT

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C ,STORAGE -20°C ~ 80°C

HOLD UP TIME : 1 ms MINIMUM AT FULL LOAD (DC -48V)

EFFICIENCY : TYPICAL 85% @ -48VDC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 550 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

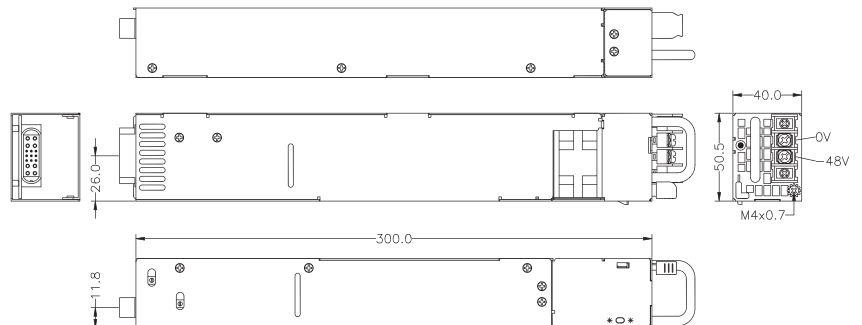
ISOLATION : BUILT-IN THE POWER MODULE

DIMENSION : 300(D) X 50.5(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DPSS-2A00V	1000W	X	83A	X	X	X	3A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	70mV

DPSS-2A00V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72VDC, NORMAL -48V

INPUT CURRENT :

30 AMPS MAXIMUM AT -48V

INRUSH CURRENT:

10A MAX @ -48VDC INPUT; HIGH-FREQUENCY PEAK

AMPLITUDES LASTING LESS THAN 50US SHALL BE IGNORED

START UP CURRENT:

30 AMPS MAX. @-48VDC INPUT

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C ,STORAGE -20°C ~ 80°C

HOLD UP TIME : DC OUTPUT MUST BE MAINTAIN 1 ms IN REGULATION LIMIT AT

NORMAL INPUT VOLTAGE (DC -48V)

EFFICIENCY : 83% TYPICAL @ -48VDCin FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 550 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

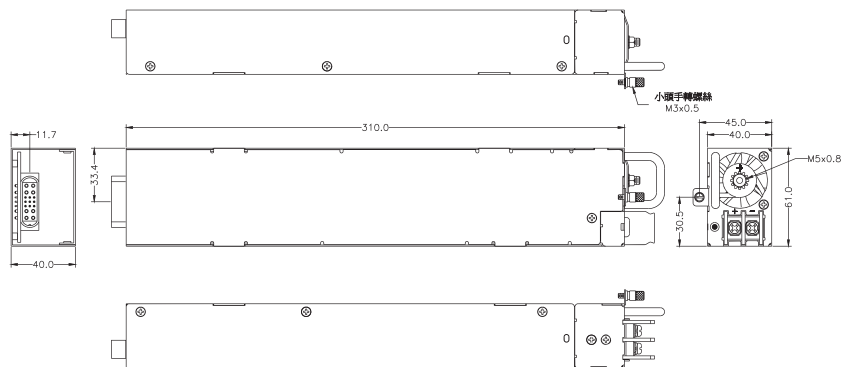
REMOTE ON/OFF CONTROL

DIMENSION : 310(D) X 61(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BGIN-3420V	420W	X	33A	X	X	0.8A	3.5A
BGIN-3460V	460W	X	37A	X	X	0.8A	3.5A
REGULATION LOAD		X	±5%	X	X	±10%	±5%
RIPPLE AND NOISE		X	120mV	X	X	120mV	50mV

BGIN-3420V BGIN-3460V

INPUT CHARACTERISTICS:

VOLTAGE :

18 ~ 36VDC, NORMAL 24VDC

INPUT CURRENT :

18~36 VDC / 30~16 AMP (22AMP AT 24VDC)

INRUSH CURRENT:

30AMPS @ 24VDC

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C ,STORAGE -20°C ~ 80°C

HOLD UP TIME : 16 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : >80% TYPICAL @ 24V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

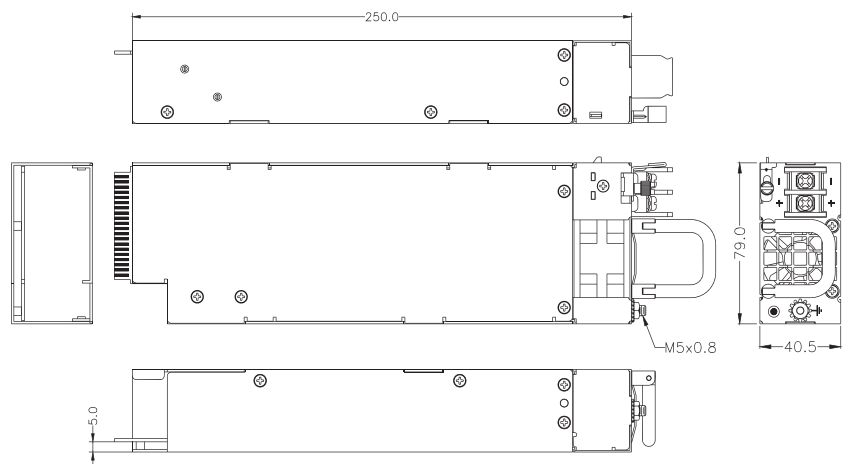
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE ON/OFF CONTROL

DIMENSION : 250(D) X 79(W) X 40.5(H)

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DMIN-6221F	220W	25A	16A	15A	0.5A	0.5A	2A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	150mV	150mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX. 28A



DMIN-6221F

INPUT CHARACTERISTICS:

VOLTAGE :

-36~-72VDC

INPUT CURRENT :

7AMPS MAXIMUM AT -36 ~ -72VDC

INRUSH CURRENT:

10AMPS @ -48VDC

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING -10°C ~ 40°C ,STORAGE -20°C ~ 80°C

HOLD UP TIME : 1.6 msec IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : 68% TYPICAL @ 48V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / SCP

WARNING METHOD : TTL SIGNAL

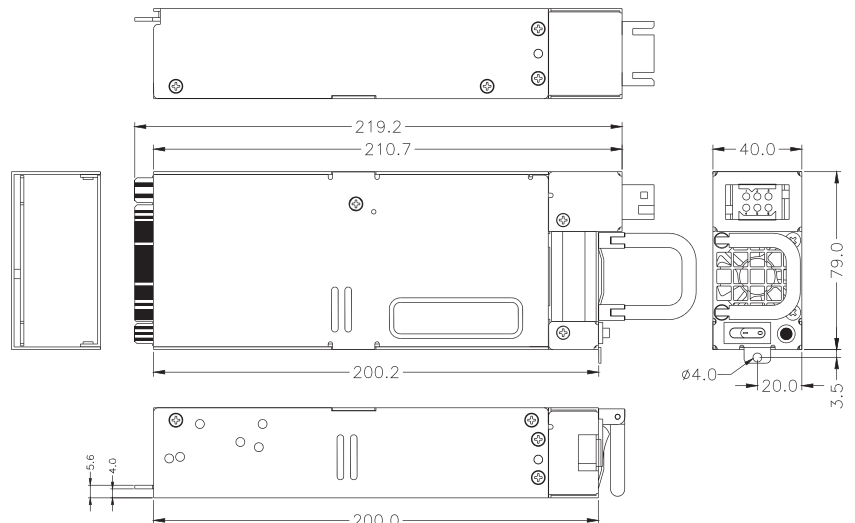
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE ON/OFF CONTROL

DIMENSION : 200(D) X 79(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DGIN-6350F	350W	35A	22A	20A	0.5A	0.8A	2.0A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		80mV	150mV	80mV	150mV	150mV	80mV

REMARKS : +5V AND +3.3V TOTOAL OUTPUT MAX. 35A



DGIN-6350F

INPUT CHARACTERISTICS:

VOLTAGE :

36~72VDC

INPUT CURRENT :

15 AMPS

INRUSH CURRENT:

LESS THAN 10A

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING -10°C ~ 40°C (36~72VDC), 50 DEGREES

CENTIGRADE(46~72VDC);STORAGE -20°C ~ 80°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL @ 48VDC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / SCP

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

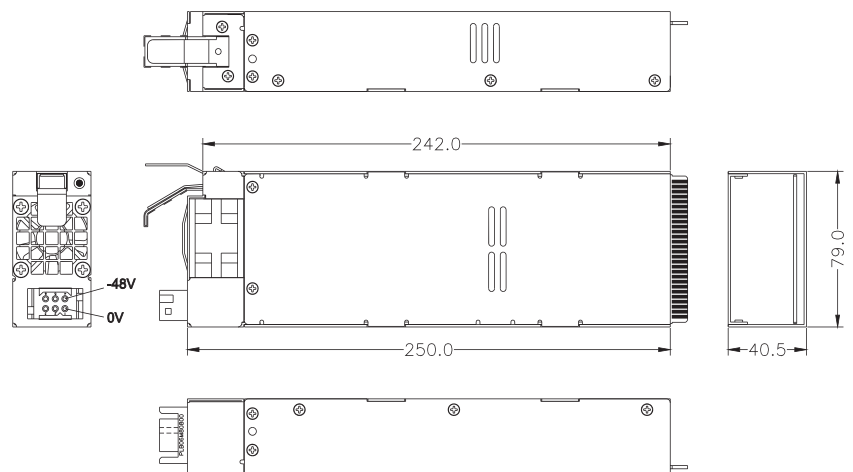
REMOTE ON/OFF CONTROL

DIMENSION : 250(D) X 79(W) X 40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DGIN-3500V	500W	X	40A	X	X	0.8A	3.5A
DGIN-3600V	600W	X	48A	X	X	0.8A	3.5A
REGULATION LOAD		X	±5%	X	X	±10%	±5%
RIPPLE AND NOISE		X	120mV	X	X	120mV	50mV

DGIN-3500V DGIN-3600V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72VDC, NORMAL -48VDC

INPUT CURRENT :

WATTAGE	-36~-72VDC
500W	25~10AMP(13 AMP AT -48VDC)
600W	25~10AMP(15 AMP AT -48VDC)

INRUSH CURRENT:

35AMPS @ -48VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C ,STORAGE -20°C ~ 80°C

HOLD UP TIME : DC OUTPUT 5V MUST BE MAINTAIN 16 ms IN REGULATION LIMIT AT

NORMAL INPUT VOLTAGE

EFFICIENCY : >80% TYPICAL @ -48V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

WARNING METHOD : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

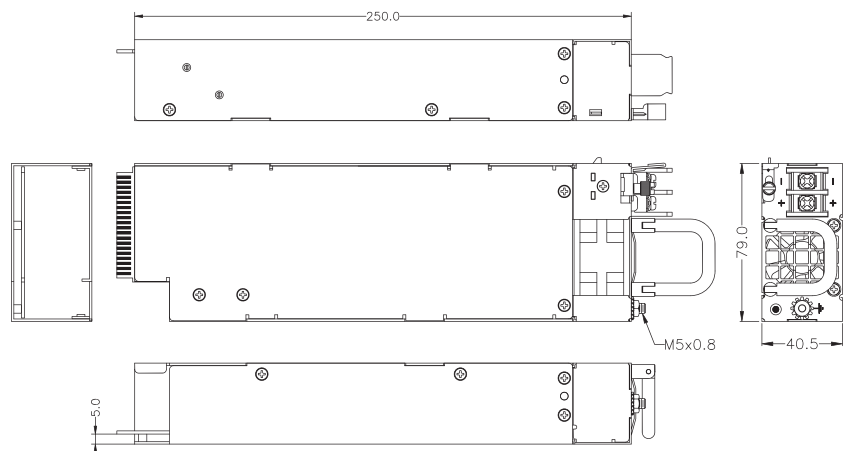
I2C FEATURES IS OPTIONAL

DIMENSION : 250(D) X 79(W) X 40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DGIN-3800V	800W	X	65A	X	X	0.8A	3.5A
REGULATION LOAD		X	±10%	X	X	±5%	±5%
RIPPLE AND NOISE		X	120mV	X	X	120mV	50mV

DGIN-3800V

INPUT CHARACTERISTICS:

VOLTAGE :

-39 ~ -72VDC, NORMAL -48VDC

INPUT CURRENT :

-39 ~ -72 VDC / 26~14 AMP

INRUSH CURRENT:

70A @ -48VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C ,STORAGE -20°C ~ 80°C

HOLD UP TIME : 1 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : >80% TYPICAL @ -48V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

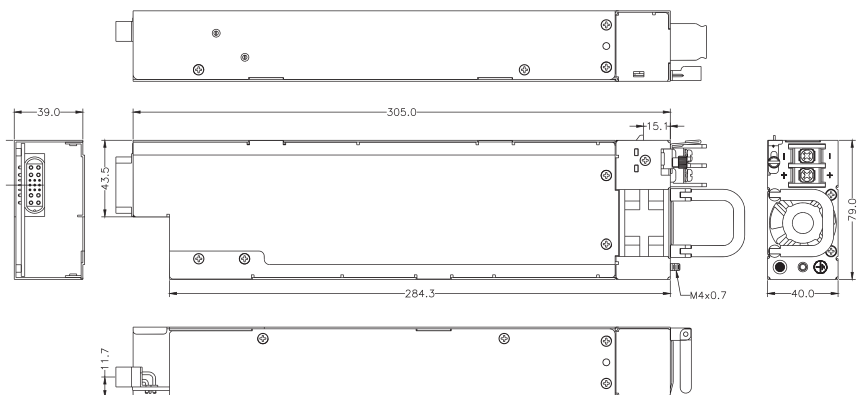
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE ON/OFF CONTROL

DIMENSION : 305(D) X 79(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



DC N+1

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DP1S-2300V-R	300W	X	24A	X	X	X	2.5A
DP1S-2400V-R	400W	X	33A	X	X	X	2.5A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

DP1S-2300V-R DP1S-2400V-R

INPUT CHARACTERISTICS:

INPUT CURRENT :

-36 ~ -72VDC, NORMAL -48VDC

STEADY-STATE CURRENT :

WATTAGE	-36~-72VDC
300W	12~6AMP(9 AMP AT -48VDC)
400W	15~7AMP(11 AMP AT -48VDC)

INRUSH CURRENT

70AMPS @ -48VDC (AT 25 DEGREES AMBIENT COLD START)

EMI

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY

TO MEET UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~ 80°C

HOLD UP TIME : 1.6 mSEC IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL >80% AT -48VDC, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 550 ms, OFF DELAY 1 ms

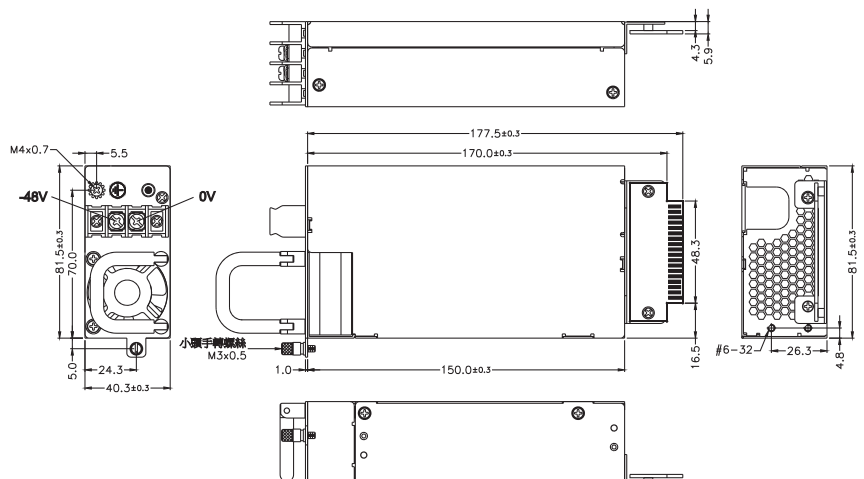
OUTPUT PROTECTION : OPP / OVP / SCP

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE ON/OFF CONTROL

DIMENSION : 170 (D) X 81.5(W) X 40.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BM1P-2250V	250W	X	20A	X	X	X	3.5A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARK : TOTAL MAX OUTPUT OF +5V AND +3.3V NOT EXCEED170W.

BM1P-2250V

INPUT CHARACTERISTICS:

VOLTAGE :

19~36VDC

STEADY-STATE CURRENT :

14A @ 24VDC

INRUSH CURRENT :

50A MAX. @24VDC INPUT (AT 25DEGREES AMBIENT COLD START)

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 1mS IN REGULATOIN LIMIT AT NORMAL INPUT VOLTAGE (DC 24V)

EFFICIENCY(PER SET) : POWER SUPPLY EFFICIENCY TYPICAL 80% AT 24VDCin, FULL LOAD

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

REMOTE ON / OFF CONTROL

BALANCE LOAD SHARING DESIGN

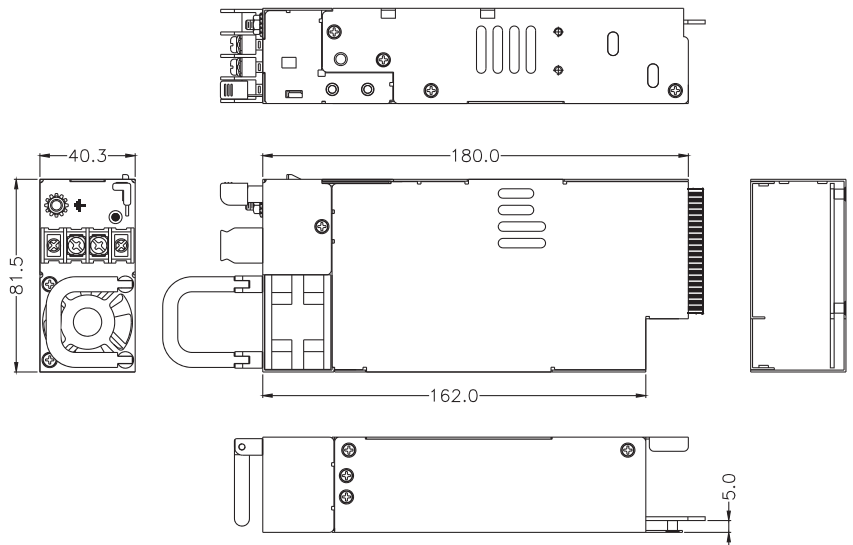
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

FAULTY ALARM METHODS : BUZZER, TTL SIGNAL

DIMENSION : 180(D) X 81.5(W) X 40.3 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1P-2500V	500W	X	41A	X	X	X	3.5A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

DM1P-2500V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72VDC

STEADY-STATE CURRENT :

-36~-72VDC/19~9AMP (14AMP AT -48VDC)

INRUSH CURRENT :

40A MAX. @-48VDC INPUT (AT 25DEGREES AMBIENT COLD

START

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 1mS IN REGULATOIN LIMIT AT NORMAL INPUT VOLTAGE (DC -48V)

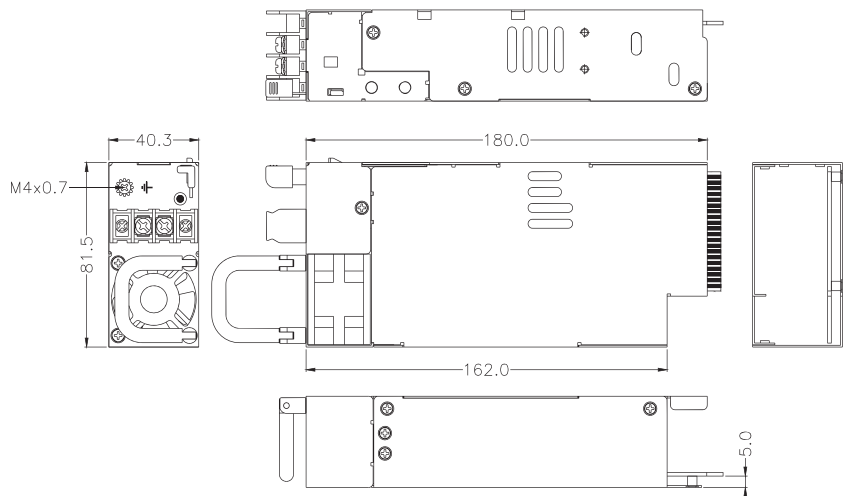
EFFICIENCY(PER SET) : POWER SUPPLY EFFICIENCY TYPICAL 80% AT 748VDCin, FULL LOAD

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

REMOTE ON/OFF CONTROL

DIMENSION : 180(D) X 81.5(W) X 40.3 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BM1Z-5360V3V	360W	24A	28A	24A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

BM1Z-5360V

INPUT CHARACTERISTICS:

VOLTAGE :

18 ~ 36 VDC, NORMAL 24VDC

INRUSH CURRENT :

60A @24VDC

STEADY-STATE CURRENT :

29AMPS MAXIMUM AT 18 TO 36V DC

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY

TO MEET UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 1.6 mS MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL >80% AT 24VDC, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

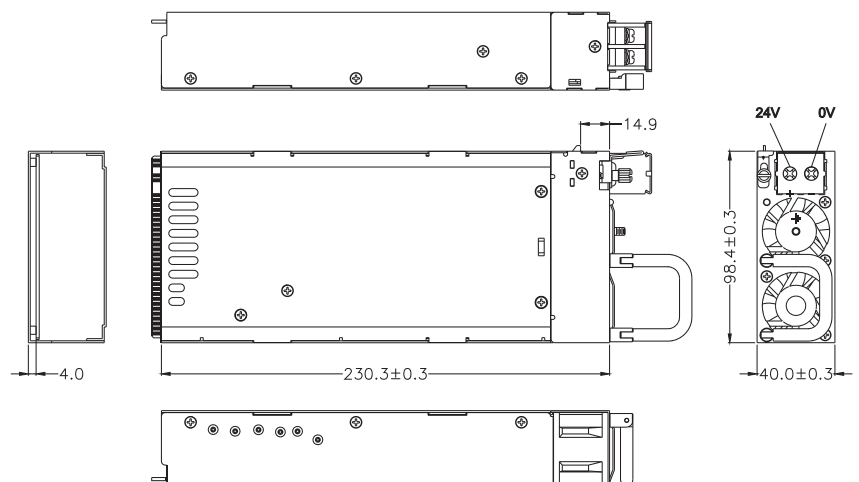
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

DIMENSION : 230(D) X 98.4(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

Modular PS





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1Z-5500V	500W	24A	40A	24A	X	0.8A	3.5A
DM1Z-5550V	550W	24A	45A	24A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

DM1Z-5500V DM1Z-5550V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72VDC, NORMAL -48VDC

INPUT CURRENT :

20 AMPS MAXIMUM AT -36V ~ -72VDC

INRUSH CURRENT:

30A @ -48VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS:

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C ,STORAGE -20°C ~ 80°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 63% TYPICAL, AT FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

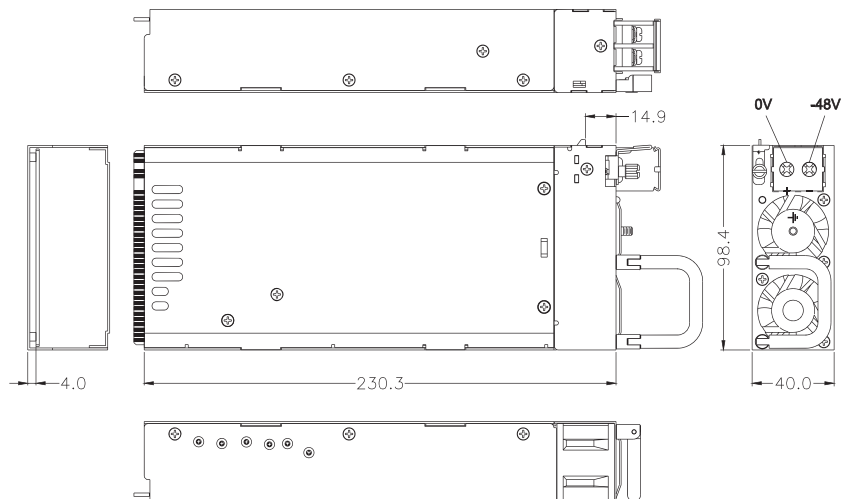
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE ON/OFF CONTROL

DIMENSION : 230.3(D) X 98.4(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BG1W-3600V	600W	X	50A	X	X	0.8A	3.5A
REGULATION LOAD		X	±5%	X	X	±10%	±5%
RIPPLE AND NOISE		X	120mV	X	X	120mV	50mV

REMARKS : TOTAL OUTPUT MAX 600W (AT 18V ONLY 550W)

BG1W-3600V

INPUT CHARACTERISTICS:

VOLTAGE :

19 ~ 36 VDC

STEADY-STATE CURRENT :

19-36VDC/44-21AMP (32AMP AT 24VDC)

INRUSH CURRENT :

60A @24VDC AT 25 DEGREES AMBIENT COLD START

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 00C ~ 400C, STORAGE -200C ~ 800C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 12V MUST BE MAINTAIN 1MS IN 24V

EFFICIENCY : TYPICAL >80% AT 24VDC, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

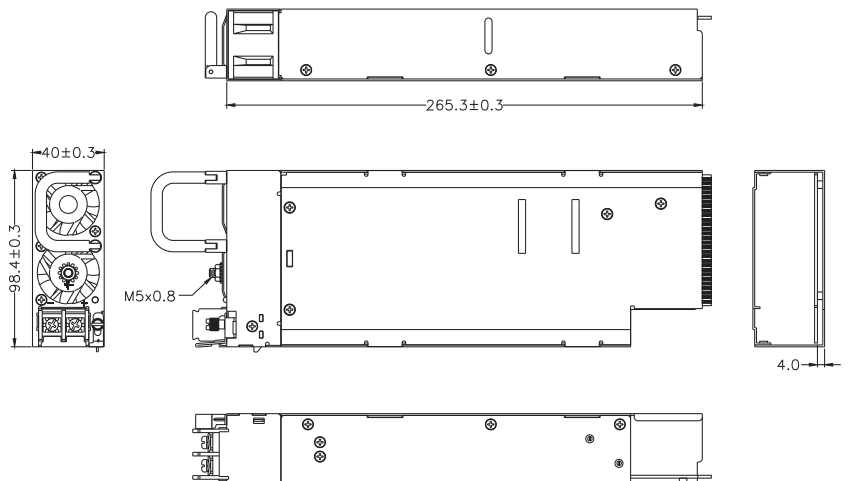
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE ON/OFF CONTROL

DIMENSION : 265.3(D) X 98.4(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DG1W-3660V	660W	X	55A	X	X	0.8A	3.5A
DG1W-3760V	760W	X	62A	X	X	0.8A	3.5A
DG1W-3860V	860W	X	70A	X	X	0.8A	3.5A
DG1W-3960V	960W	X	78A	X	X	0.8A	3.5A
DG1W-3A10V	1010W	X	83A	X	X	0.8A	3.5A
REGULATION LOAD		X	±5%	X	X	±10%	±5%
RIPPLE AND NOISE		X	120mV	X	X	120mV	50mV

DG1W-3660V
DG1W-3760V
DG1W-3860V
DG1W-3960V
DG1W-3A10V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC ; NORMAL -48VDC

INPUT CURRENT :

WATTAGE	-36~72VDC
660W	24~12AMP (18AMT AT -48VDC)
760W	28~14AMP (18AMT AT -48VDC)
860W	31~15AMP (18AMT AT -48VDC)
960W	35~16AMP (18AMT AT -48VDC)
1010W	36~17AMP (18AMT AT -48VDC)

INRUSH CURRENT:

80 A @ -48 VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS:

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C ,STORAGE -20°C ~ 80°C

HOLD UP TIME : 1 ms MINIMUM AT FULL LOAD & -48VDC INPUT VOLTAGE

EFFICIENCY : >80% TYPICAL AT DC-48 INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

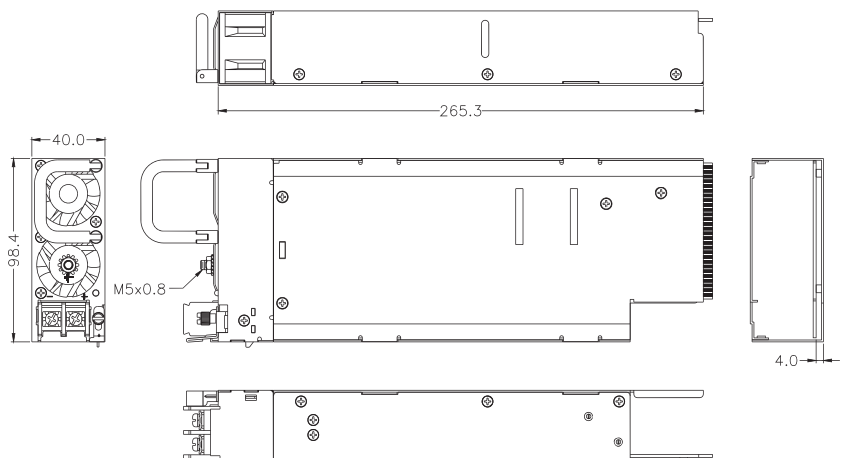
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE ON/OFF CONTROL

DIMENSION : 265.3(D) X 98.4(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1W-6460F	460W	27A	32A	24A	0.7A	0.7A	2A
DM1W-6500F	500W	27A	32A	24A	0.7A	0.7A	2A
REGULATION LOAD		±5%	±6%	±5%	+5/-10%	+5/-10%	+5/-6%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	120mV	70mV

REMARKS : +5V AND +3.3V TOTOAL OUTPUT MAX. 40A

DM1W-6460F DM1W-6500F

INPUT CHARACTERISTICS:

VOLTAGE :

-36~ -72VDC

INRUSH CURRENT :

30AMPS @ -48VDC

INPUT CURRENT :

15AMPS @ -48VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C ,STORAGE -20°C ~ 80°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 71% TYPICAL @ -48V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

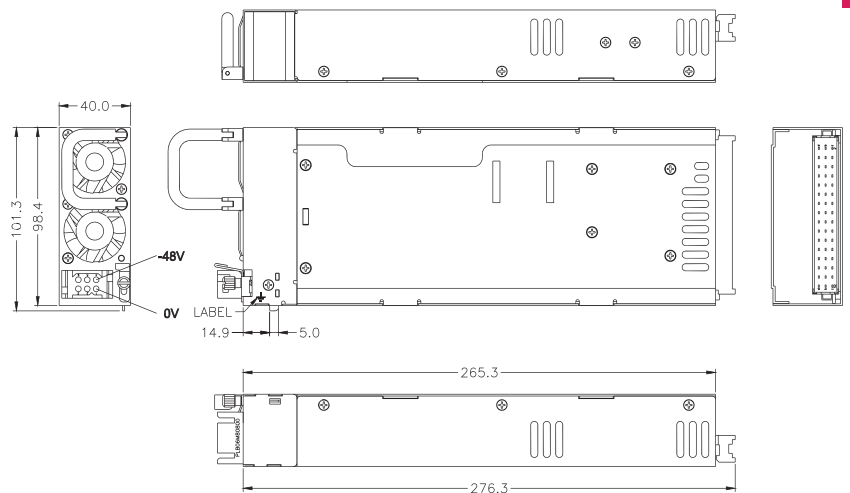
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTED ON/OFF CONTROL

DIMENSION : 265.3(D) X 98.4(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1W-5600V	600W	32A	45A	36A	X	0.8A	3.5A
DM1W-5650V	650W	32A	50A	36A	X	0.8A	3.5A
DM1W-5700V	700W	32A	55A	36A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : TOTOAL OUTPUT OF +5V AND +3.3V NOT EXCEED 200W

DM1W-5600V DM1W-5650V DM1W-5700V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72VDC

INPUT CURRENT :

600W 16AMPS @ -48VDC

650W 17AMPS @ -48VDC

700W 19AMPS @ -48VDC

INRUSH CURRENT :

30AMPS @ -48VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 60°C ,STORAGE -20°C ~ 80°C

HOLD UP TIME : 1 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 80% TYPICAL @ -48V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

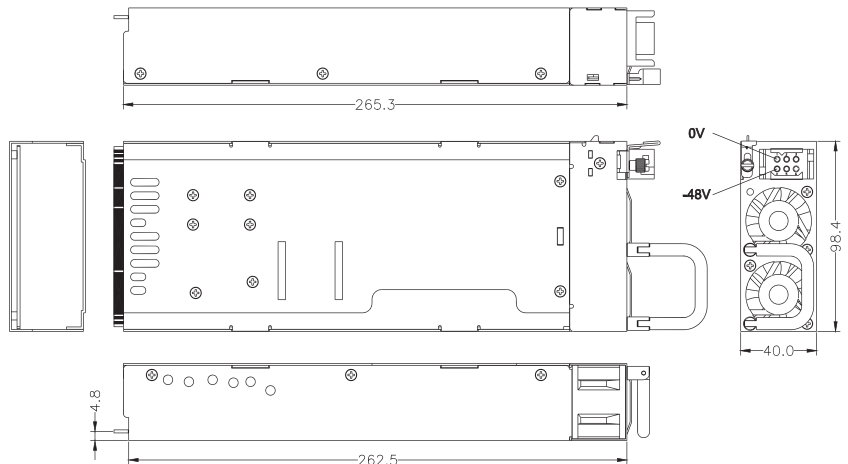
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE ON/OFF CONTROL

DIMENSION : 265.3(D) X 98.4(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DMTW-5660V	660W	32A	50A	36A	X	0.8A	3.5A
DMTW-5820V	820W	32A	67A	36A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 200W.

POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 660W / 820W

DMTW-5660V DMTW-5820V

INPUT CHARACTERISTICS:

INPUT CURRENT :

-36 ~ -72VDC

STEADY-STATE CURRENT

25/13 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT VOLTAGE (660W)

30/15 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT VOLTAGE (820W)

INRUSH CURRENT :

35A MAX. @-48VDC INPUT(AT 25DEGREES AMBIENT COLD START)

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 45°C , STORAGE -20°C ~ 80°C

HOLD UP TIME : 1 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY(PER SET) : TYPICAL >80% AT 48VDC, 30~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

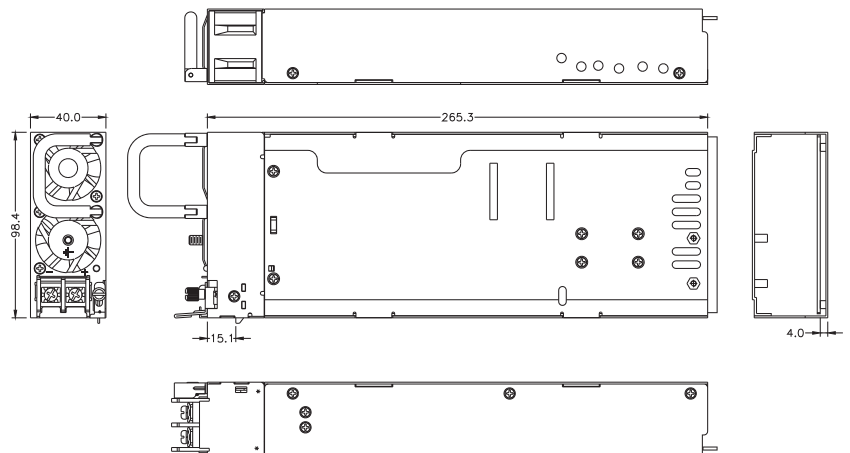
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE ON/OFF CONTROL

DIMENSION : 265.3(D) X 98.4(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1L-5600V	600W	32A	45A	36A	X	0.8A	3.5A
DM1L-5650V	650W	32A	50A	36A	X	0.8A	3.5A
DM1L-5700V	700W	32A	55A	36A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : TOTOAL OUTPUT OF +5V AND +3.3V NOT EXCEED 200W

DM1L-5600V
DM1L-5650V
DM1L-5700V

Modular PS

INPUT CHARACTERISTICS:

VOLTAGE :

-36~-72VDC

INPUT CURRENT :

16 / 17 / 19 AMPS @ -48VDC

INRUSH CURRENT :

30AMPS @ -48VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 60°C ,STORAGE -20°C ~ 80°C

HOLD UP TIME : DC OUTPUT 5V MUST BE MAINTAIN 1 ms IN -48V

EFFICIENCY : 80% TYPICAL @ -48V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

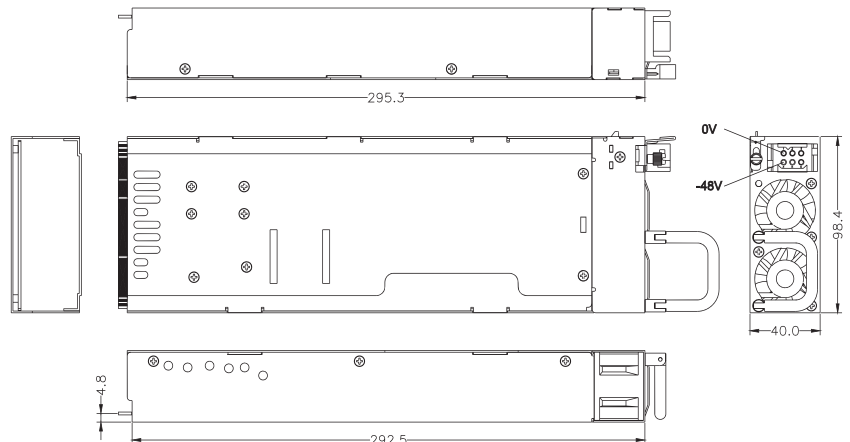
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE ON/OFF CONTROL

DIMENSION : 295.3 (D) X 98.4(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DR2Z-6400F-R	400W	25A	28A	20A	0.5A	0.8A	2.0A
REGULATION LOAD		±5%	±6%	±5%	±10%	+5/-7%	+5/-6%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	150mV	70mV

REMARKS : TOTOAL OUTPUT OF +5V AND +3.3V NOT EXCEED 175W

DR2Z-6400F-R

INPUT CHARACTERISTICS:

VOLTAGE :

-36~-72VDC, NOMAL : -48VDC

INPUT CURRENT :

17 AMPS MAXIMUM AT -36 ~ -72VDC

INRUSH CURRENT :

60AMPS @ 48VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C ,STORAGE -20°C ~ 80°C

HOLD UP TIME : DC OUTPUT 5V MUST BE MAINTAIN 1.6 ms IN REGULATION LIMIT AT

NORMAL INPUT VOLTAGE

EFFICIENCY : 70% TYPICAL @ -48V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

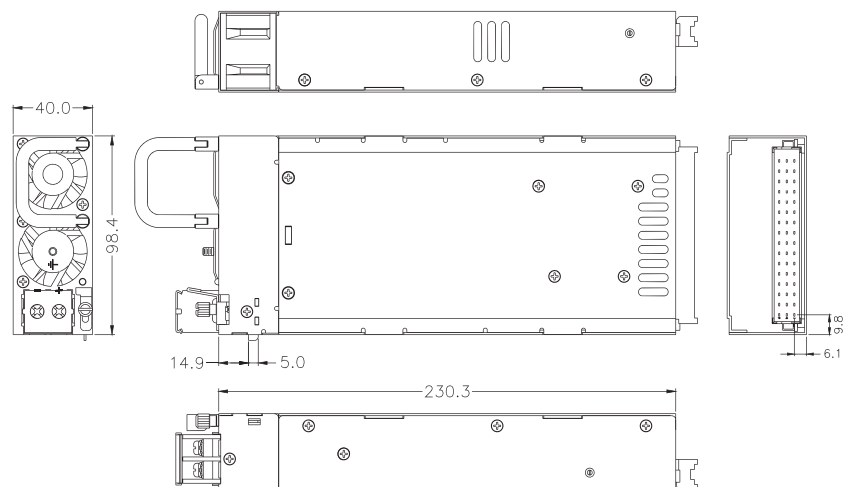
REMOTE ON/OFF CONTROL

DIMENSION : 230.3(D) X 98.4(W) X 40(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BMRW-3360V-R	360W	X	28A	X	X	0.8A	3.5A
REGULATION LOAD		X	±5%	X	X	±5%	±5%
RIPPLE AND NOISE		X	120mV	X	X	120mV	50mV

REMARKS : TOTAL OUTPUT POWER NOT EXCEED 360W

BMRW-3360V-R

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~ 80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 12V MUST BE MAINTAIN 1MS
IN 24V

EFFICIENCY : TYPICAL >80% AT 24VDC, 25%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE ON/OFF CONTROL

DIMENSION : 161(D) X 143(W) X 41.4(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

18 ~ 36 VDC

STEADY-STATE CURRENT :

18-36VDC/28-13AMP(19AMP AT 24VDC)

INRUSH CURRENT :

60A @24VDC AT 25 DEGREES AMBIENT COLD START

EMI :

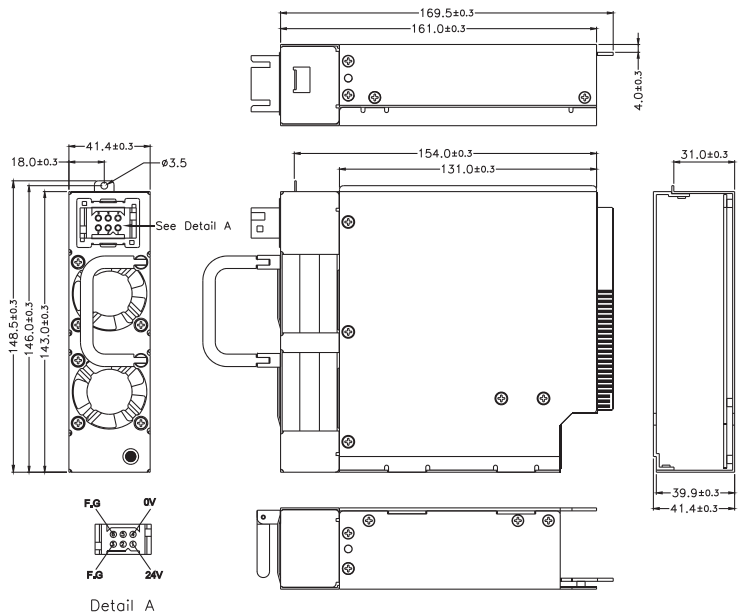
IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL, CUL, TUV, CCC



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DMRW-6350F-R	350W	32A	25A	25A	0.5A	1.2A	2A
DMRW-6375F-R	375W	32A	25A	25A	0.5A	1.2A	2A
DMRW-6400F-R	400W	32A	25A	25A	0.5A	1.2A	2A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	100mV	120mV	75mV

REMARKS : +5V AND +3.3V TOTOAL OUTPUT OF MAX 45A

DMRW-6350F-R DMRW-6375F-R DMRW-6400F-R

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72VDC, NORMAL -48VDC

INPUT CURRENT :

10A / 12A / 14A (RMS) FOR -48VDC

INRUSH CURRENT :

20AMPS @ -48VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C ,STORAGE -20°C ~ 80°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & 90 VAC INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL @ -48V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

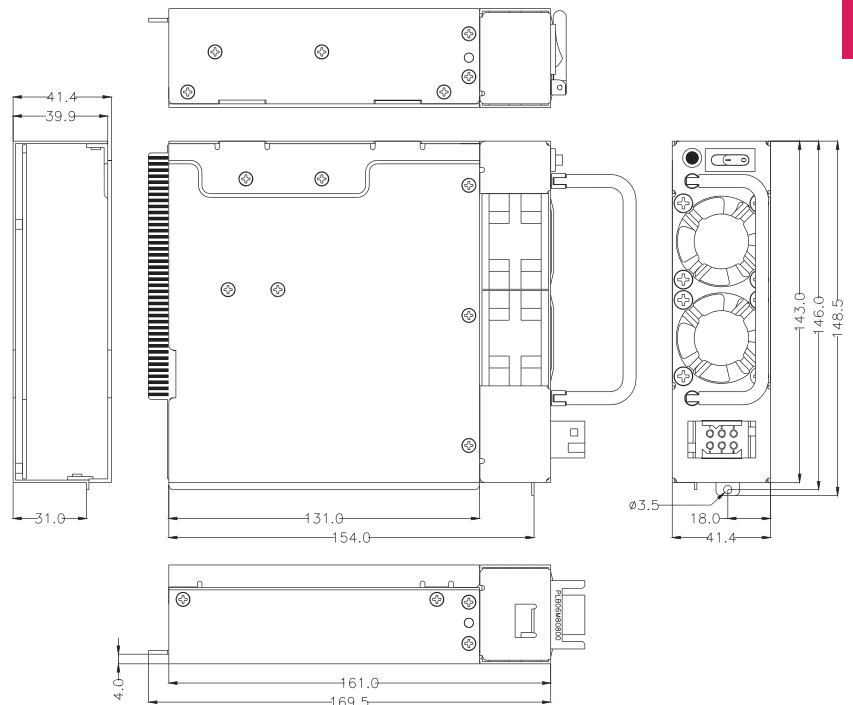
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE ON/OFF CONTROL

DIMENSION : 161(D) X 143(W) X 41.4(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DMRW-3500V-R	500W	X	41A	X	X	0.8A	3.5A
DMRW-3600V-R	600W	X	45A	X	X	0.8A	3.5A
REGULATION LOAD		X	±5%	X	X	±5%	±5%
RIPPLE AND NOISE		X	120mV	X	X	120mV	50mV



DMRW-3500V-R DMRW-3600V-R

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72VDC; NORMAL -48VDC

INPUT CURRENT :

WATTAGE	-36~-72VDC
500W	18~9 AMPS (13 AMP @ -48VDC)
600W	21~11 AMPS (6 AMP @ -48VDC)

INRUSH CURRENT :

70AMPS @ -48VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C ,STORAGE -20°C ~ 80°C

HOLD UP TIME : 1 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : >80% TYPICAL @ -48V , 20% ~ 100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

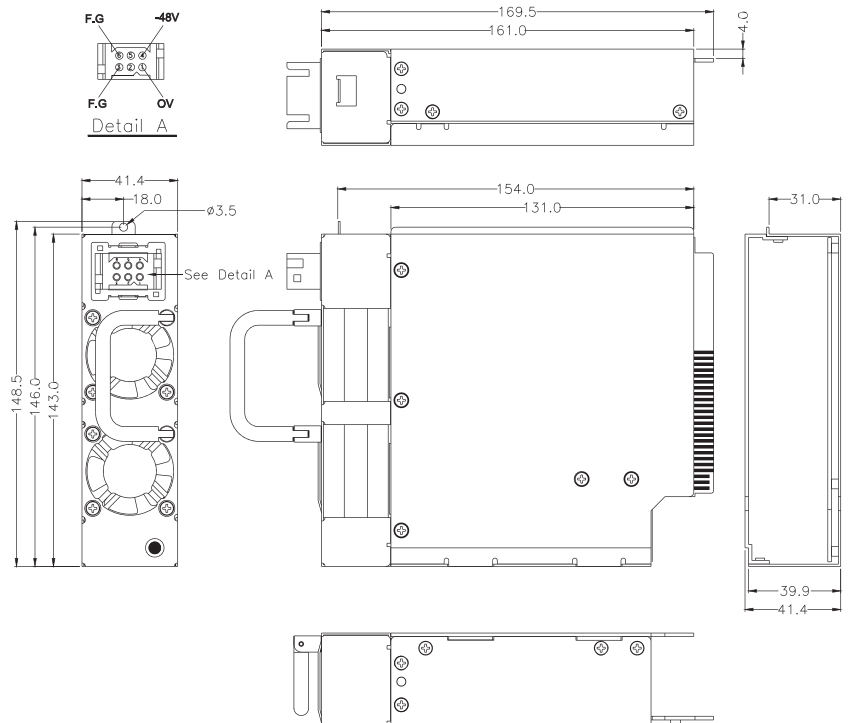
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE ON/OFF CONTROL

DIMENSION : 161(D) X 143(W) X 41.4(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DP1P-5300V	300W	18A	24A	17A	X	0.3A	2.5A
DP1P-5320V	320W	18A	26A	17A	X	0.3A	2.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 120W

DP1P-5300V DP1P-5320V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC

FREQUENCY :

DC

INPUT CURRENT :

-36 ~ -72VDC / 12~6A (7 / 8.5AMP AT -48VDC)

INRUSH CURRENT :

28/30A AT -48VDC (AT 25 DEGREES AMBIENT COLD START)

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C , OPERATING -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 1.6 mS

AT -48V

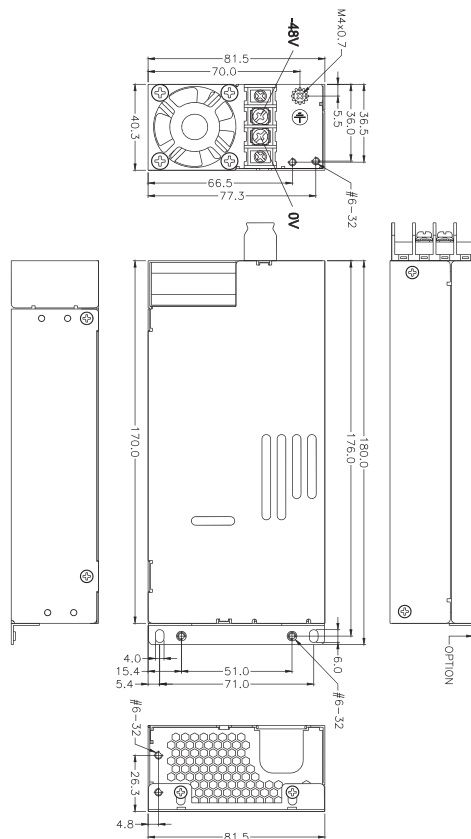
EFFICIENCY : TYPICAL >80% AT -48V, FULL LOAD

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1Ms

DIMENSION : 170(D)×81.5(W)×40.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U DC TO DC



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DP1A-6250F	250W	24A	16A	20A	0.5A	0.5A	2.5A
DP1A-6300F	300W	24A	20A	20A	0.5A	0.5A	2.5A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	80mV	120mV	150mV	50mV

REMARKS : THE OUTPUT POWER OF 5V & 3.3V NOT EXCEED 170 W

DP1A-6250F DP1A-6300F

INPUT CHARACTERISTICS:

VOLTAGE :

-36~-72VDC; DP1A-6301F:-36~-60VDC

INPUT CURRENT :

10.0 A (RMS) AT -48VDC

INRUSH CURRENT :

LESS THAN 10A

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : (6250 : 70%, 6300F : 65%) TYPICAL AT DC-48 ININPUT, FULL LOAD

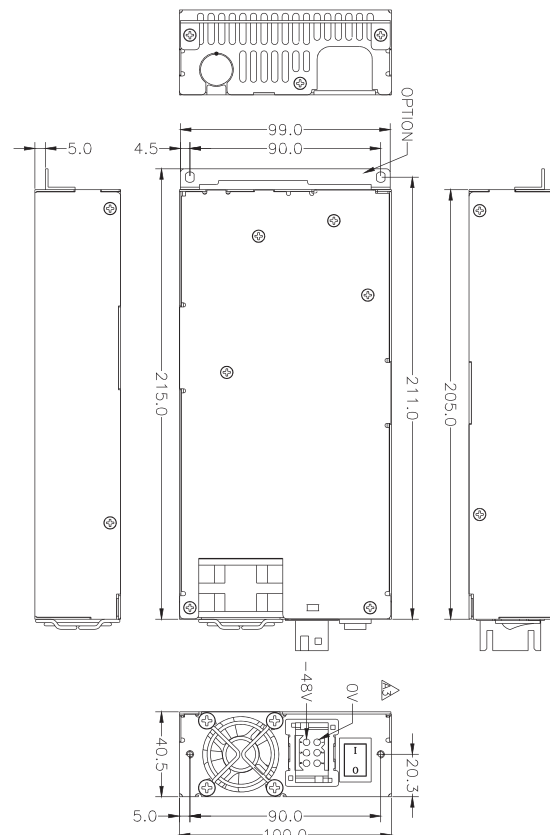
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

3.3V / 5V REMOTE SENSING

DIMENSION : 205 (D) x 100 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
AP1A-6150F	150W	12A	12A	10A	0.5A	0.5A	1.2A
REGULATION LOAD		±5%	±5%	±5%	±5%	±5%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	50mV	100mV	50mV

REMARKS : +5V, +3.3V AND 12V TOTAL OUTPUT MAX. : 148W



AP1A-6150F

INPUT CHARACTERISTICS:

VOLTAGE :

DC 10V~15V

INPUT CURRENT :

8A AT 12 VDC

INRUSH CURRENT :

LESS THAN 15A

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C ; STORAGE -20°C ~80°C

HOLD UP TIME : 1.6ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

EFFICIENCY : MIN 70% AT DC 12 input FULL LOAD

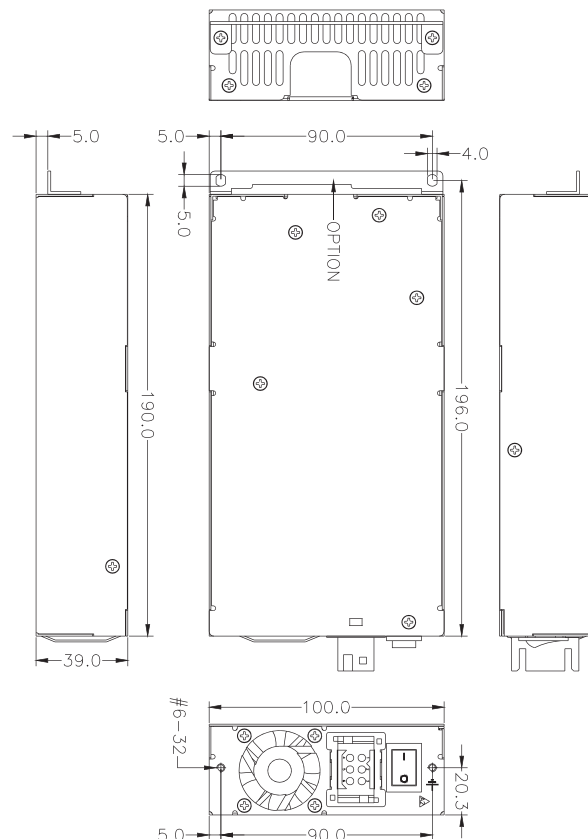
POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

DIMENSION : 190(D) x 100(W) x 39(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
B1U-6150F	150W	18A	6A	10A	0.5A	1.0A	1.5A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		80mV	120mV	80mV	120mV	150mV	50mV

REMARKS : +5 V AND + 3.3 V TOTAL OUTPUT MAX. 100 WATTS



B1U-6150F

INPUT CHARACTERISTICS:

VOLTAGE :

- 20 ~ - 28 VDC

INPUT CURRENT :

10.0 A (RMS) AT - 24 VDC

INRUSH CURRENT :

20A MAX.

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C ; STORAGE -20°C ~80°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

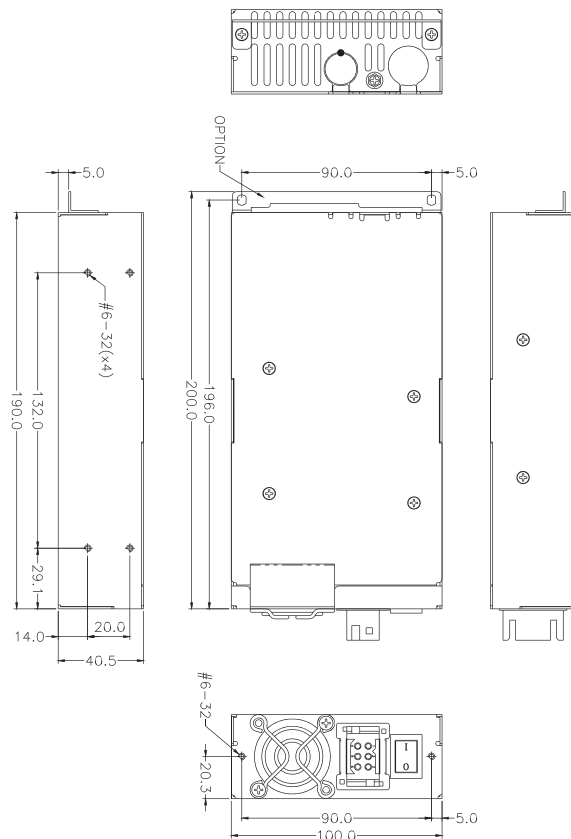
EFFICIENCY : 65% TYPICAL AT DC-24 INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 190 (D) x 100 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BP1H-6300F	300W	35A	22A	20A	0.5A	0.5A	2A
REGULATION LOAD		±5%	±5%	±5%	±10%	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	120mV	150mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 40A

BP1H-6300F

INPUT CHARACTERISTICS:

VOLTAGE :

20~ 36 VDC

INPUT CURRENT :

20A (RMS) AT 24 VDC

INRUSH CURRENT :

LESS THAN 10A

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING -10°C ~ 40°C ; STORAGE -20°C ~80°C

HOLD UP TIME : 1.6ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

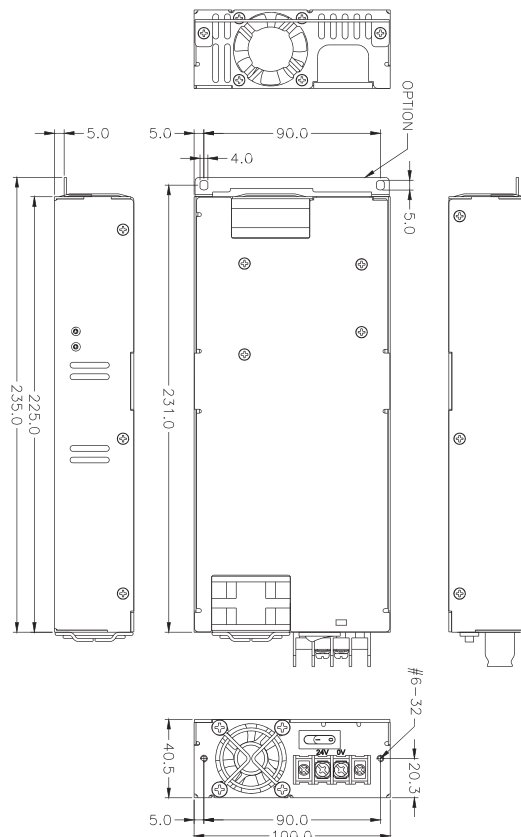
EFFICIENCY : 65% TYPICAL AT DC 24V INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms

OUTPUT PROTECTION : OPP / OVP / SCP

DIMENSION : 225(D) x 100(W) x 40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BP1H-5420V	420W	25A	33A	25A	X	0.8A	3A
BP1H-5460V	460W	25A	37A	25A	X	0.8A	3A
REGULATION LOAD		±5%	±5%	±5%	±5%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	50mV	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 170W

BP1H-5420V BP1H-5460V

INPUT CHARACTERISTICS:

VOLTAGE :

18~ 36 VDC

INPUT CURRENT :

BP1H-5420V

18-36VDC / 33-16AMP (24AMP AT 24VDC)

BP1H-5460V

18-36VDC / 35-18AMP (26AMP AT 24VDC)

INRUSH CURRENT :

50A@ 24VDC (AT 25 DEGREES AMBIENT COLD START)

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C STORAGE -20°C ~80°C

HOLD UP TIME : 1.6ms MINIMUM AT 24V FULL LOAD

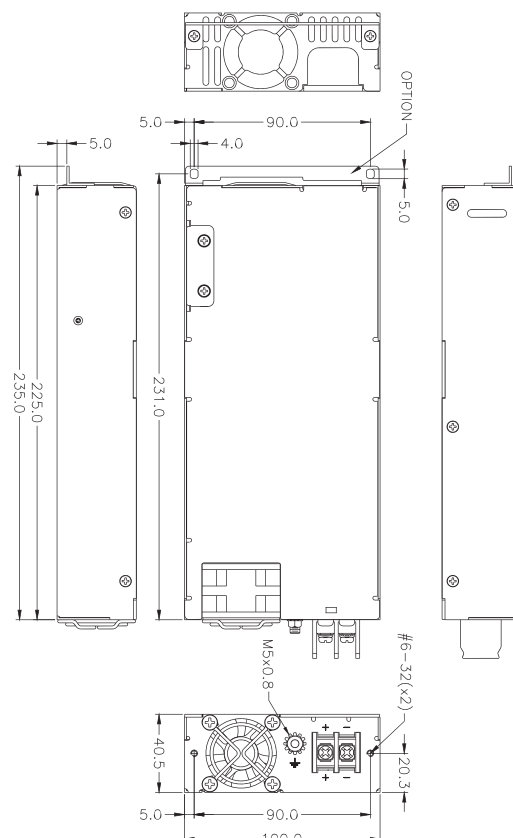
EFFICIENCY : >80% TYPICAL AT 24V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 225(D) x 100(W) x 40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DP1H-6350F	350W	35A	22A	20A	0.5A	0.5A	2.0A
DP1H-6400F	400W	35A	28A	20A	0.5A	0.5A	2.0A
REGULATION LOAD		±5%	±5%	±5%	±10%	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	120mV	150mV	50mV

REMARKS : THE OUTPUT POWER OF 5V & 3.3V MAX : 40A / 45A

DP1H-6350F DP1H-6400F

INPUT CHARACTERISTICS:

VOLTAGE :

-36~ -72 VDC

INPUT CURRENT :

12.0 / 17.0 A (RMS) AT -48VDC

INRUSH CURRENT :

LESS THAN 10A

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : -10°C ~ 40°C ; STORAGE : -20°C ~ 80°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL AT -48VDC FULL LOADING

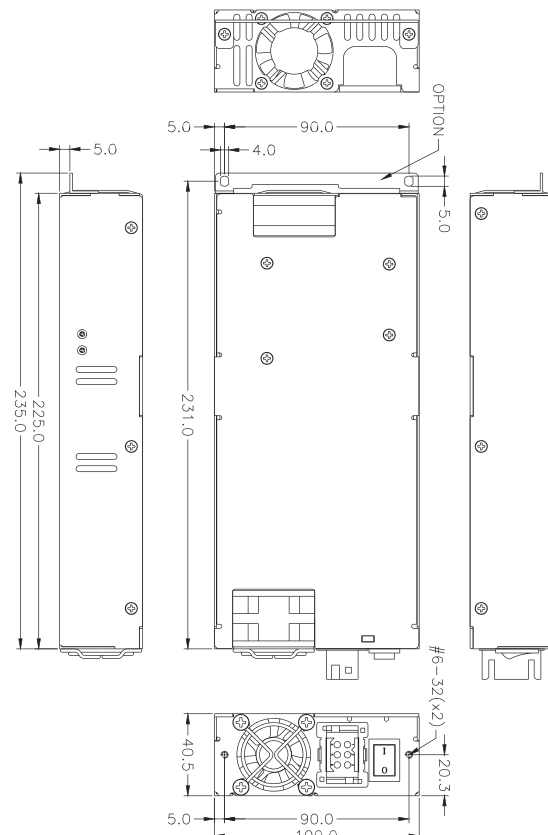
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

3.3V / 5V REMOTE SENSING

DIMENSION : 225 (D) x 100 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U DC to DC





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DP1H-5460V	460W	25A	37A	25A	X	0.8A	3A
DP1H-5550V	550W	25A	45A	25A	X	0.8A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5 V AND +3.3V TOTAL OUTPUT MAX. 170 WATTS

DP1H-5460V DP1H-5550V

INPUT CHARACTERISTICS:

VOLTAGE :

DC – 36 V ~ – 72 V

INPUT CURRENT :

DP1H-5460V

-36 ~ -72 VDC / 16~8AMP (12AMP AT -48VDC)

DP1H-5550V

-36 ~ -72 VDC / 25~10AMP (16AMP AT -48VDC)

INRUSH CURRENT :

50 A @ -48VDC(AT 25 DEGREES AMBIENT COLD START)

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : DC OUTPUT 12V MUST BE MAINTAIN 1.6 ms AT -48V

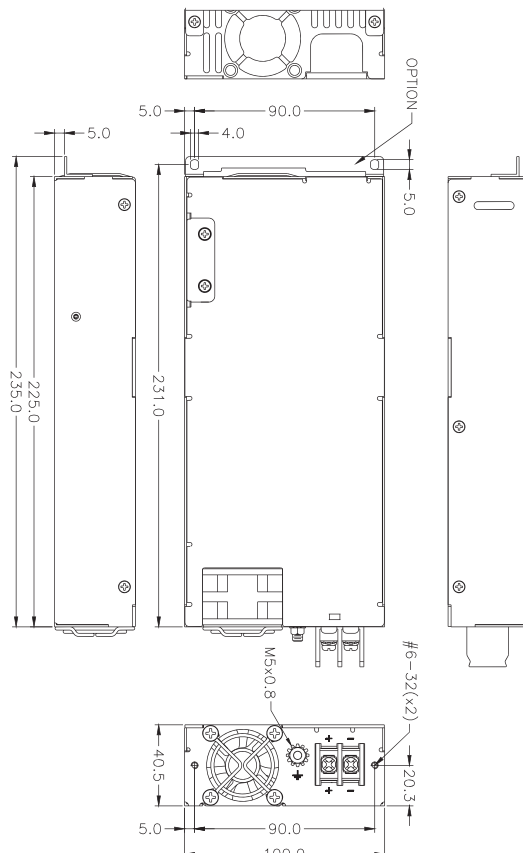
EFFICIENCY : >80% AT -48V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 225 (D) x 100 (W) x 40.5 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BN1H-5750V	750W	25A	60A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	150mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 40A

BN1H-5750V

INPUT CHARACTERISTICS:

VOLTAGE :

-18~ -36 VDC / 42~26 AMP (39 AMP AT -24VDC)

INRUSH CURRENT :

100 AMPS @ -24VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C ; STORAGE -20°C ~80°C

HOLD UP TIME : 1ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

EFFICIENCY : >80% TYPICAL AT -24V, FULL LOAD

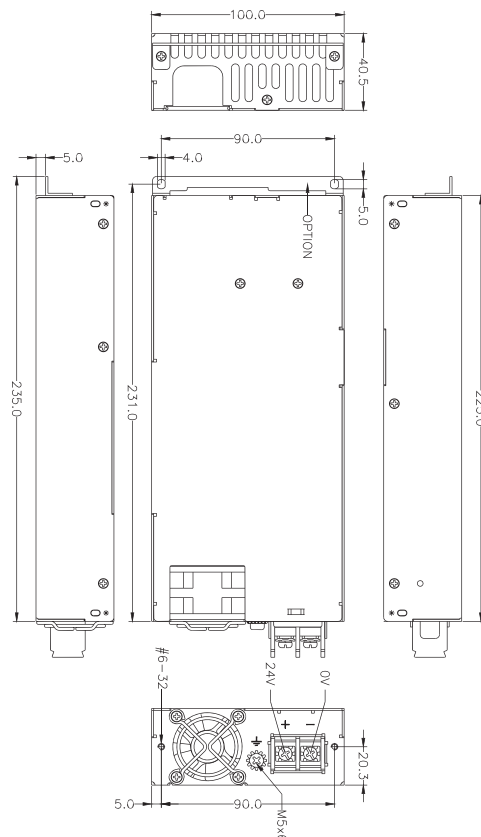
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

DIMENSION : 225(D) x 100(W) x 40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
D2U-6300F	300W	34A	14A	20A	0.5A	1.0A	1.5A
REGULATION LOAD		±5%	±8%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		80mV	120mV	80mV	120mV	150mV	70mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 35A



D2U-6300F

INPUT CHARACTERISTICS:

VOLTAGE :

-40 ~ -56 VDC

INPUT CURRENT :

10.0 A (RMS) AT - 48 VDC

INRUSH CURRENT :

LESS THAN 15A

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

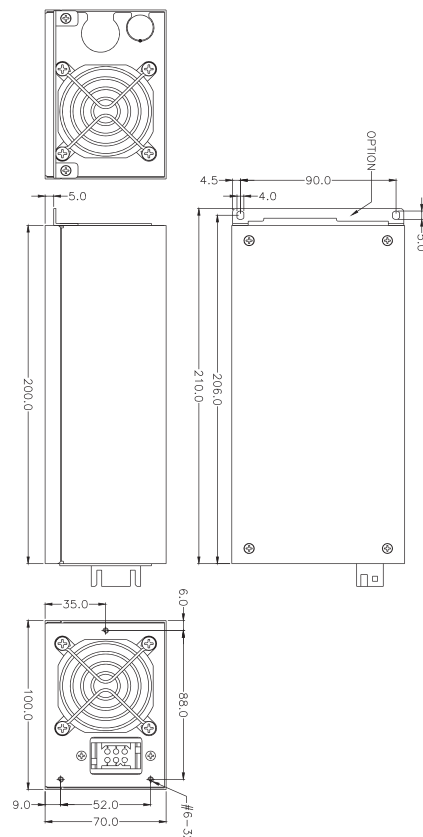
EFFICIENCY : 65% TYPICAL AT DC-48 INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

DIMENSION : 200 (D) x 100 (W) x 70 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BP2H-5420V	420W	25A	34A	25A	X	0.8A	3A
BP2H-5460V	460W	25A	37A	25A	X	0.8A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 170W

BP2H-5420V BP2H-5460V

INPUT CHARACTERISTICS:

VOLTAGE :

DC 18V ~ 36V

INPUT CURRENT :

BP2H-5420V

18~36VDC / 33~16AMP (24AMPS AT 24 VDC)

BP2H-5460V

18~36VDC / 35~18AMP (26A (RMS) AT 24 VDC)

INRUSH CURRENT :

50 AMPS @24VDC(AT 25 DEGREES AMBIENT COLD START)

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C , STORAGE -20~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 12V MUST BE MAINTAIN 1.6 ms

AT 24V

EFFICIENCY : >80% TYPICAL AT 24V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

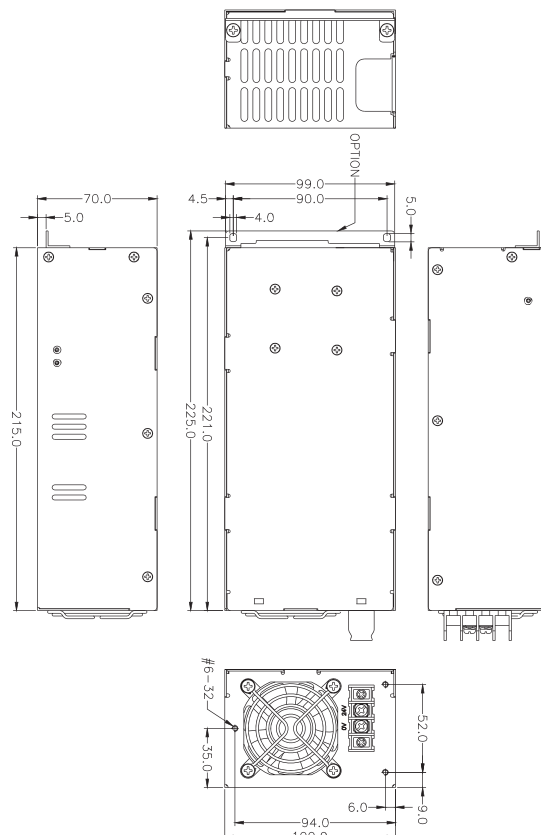
OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 215(D)×100(W)×70(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BN2H-5750V	750W	25A	60A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	150mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 40A

BN2H-5750V

INPUT CHARACTERISTICS:

VOLTAGE :

DC 18V ~ 36V

INPUT CURRENT :

18~36VDC / 35~18AMP (26A (RMS) AT 24 VDC)

INRUSH CURRENT :

100 AMPS @ -24VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20~80°C

HOLD UP TIME : 1ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

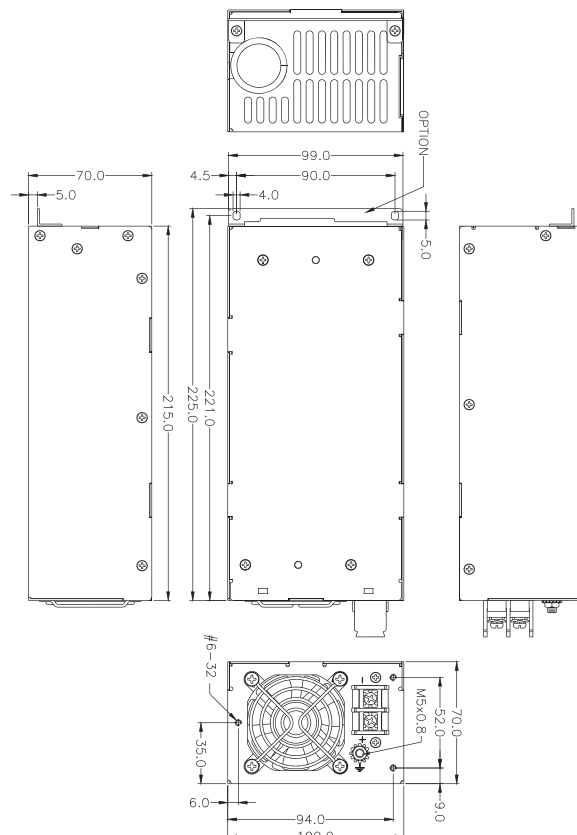
EFFICIENCY : >80% TYPICAL AT -24V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 215(D)×100(W)×70(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DP2H-6350F	350W	35A	22A	20A	0.5A	0.5A	2.0A
DP2H-6400F	400W	35A	22A	20A	0.5A	0.5A	2.0A
REGULATION LOAD		±5%	±5%	±5%	±10%	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	120mV	150mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 40A / 45A

DP2H-6350F DP2H-6400F

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC

INPUT CURRENT :

12 A / 17A (RMS) AT -48 VDC

INRUSH CURRENT :

10.0 A MAX.

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING -10°C ~40°C (-36~-72VDC), 50°C (-40~-72VDC),

STORAGE -20~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 1.6ms

IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL AT DC-48 INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

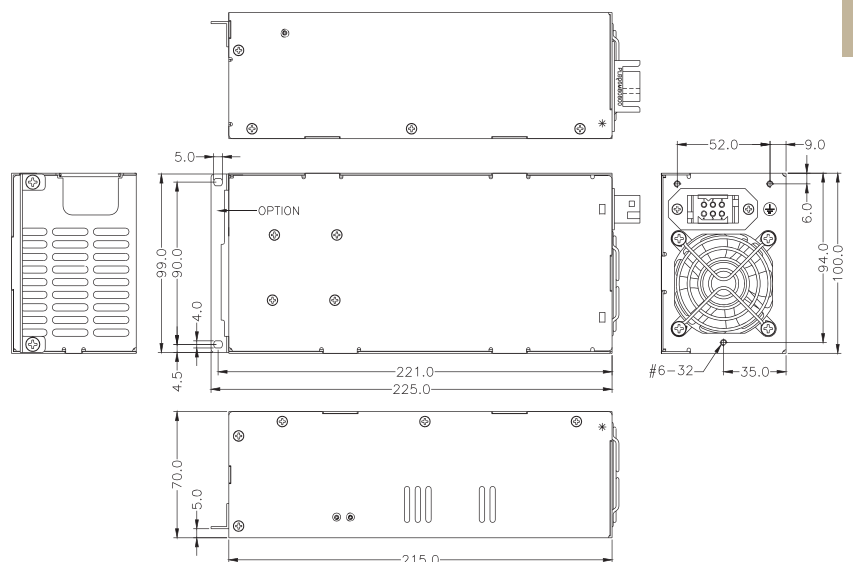
OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 215(D) X 100(W) X 70(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U DC to DC





OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DP2H-5460V	460W	25A	37A	25A	X	0.8A	3A
DP2H-5500V	500W	25A	41A	25A	X	0.8A	3A
DP2H-5550V	550W	25A	45A	25A	X	0.8A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 170W

DP2H-5460V DP2H-5500V DP2H-5550V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC

INPUT CURRENT :

DP2H-5460V

-36~-72VDC / 16~8AMP (12 AMP AT -48VDC)

DP2H-5500V

-36~-72VDC / 19~9AMP (14 AMP AT -48VDC)

DP2H-5550V

-36~-72VDC / 25~10AMP (16 AMP AT -48VDC)

INRUSH CURRENT :

50AMPS @ -48VDC (AT 25DEGREES AMBIENT COLD START)

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 12V MUST BE MAINTAIN 1.6ms

AT -48V

EFFICIENCY : > 80% TYPICAL AT DC-48 INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

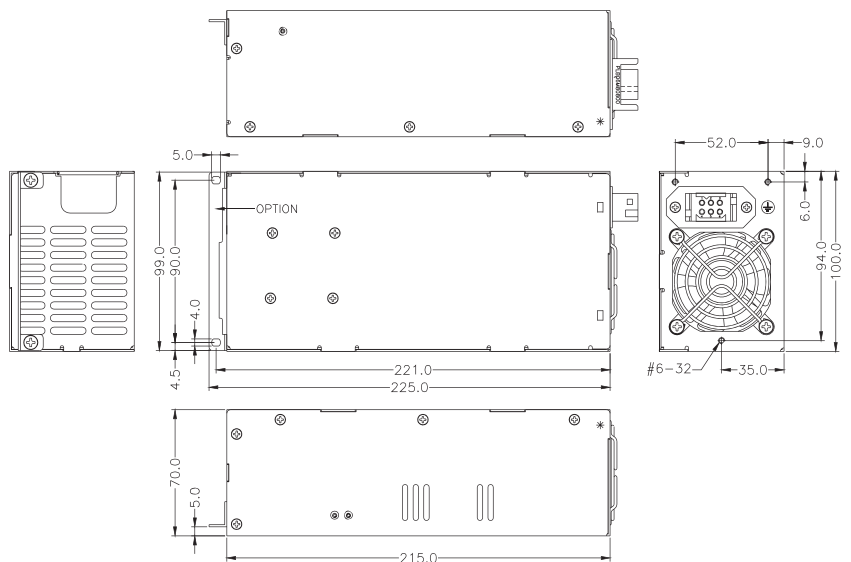
OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 215(D) X 100(W) X 70(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



DC PS2

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BHG2-5300V	300W	25A	25A	25A	X	0.8A	2.5A
BHG2-5350V	350W	25A	28A	25A	X	0.8A	2.5A
BHG2-5400V	400W	25A	30A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : THE OUTPUT CURRENT OF +5V & +3.3V NOT EXCEED 30A/30A/40A

BHG2-5300V BHG2-5350V BHG2-5400V

INPUT CHARACTERISTICS:

VOLTAGE :

-18 ~ -36VDC(300W.350W) / -20 ~ -36VDC (400W)

INPUT CURRENT :

300W 22~11 AMP (16 AMP AT 24VDC)

350W 25~13 AMP (19 AMP AT 24VDC)

400W 30~15 AMP (22 AMP AT 24VDC)

INRUSH CURRENT :

50/50/60 AMPS @ 24VDC

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 12V MUST BE MAINTAIN 1mSEC

AT 24V

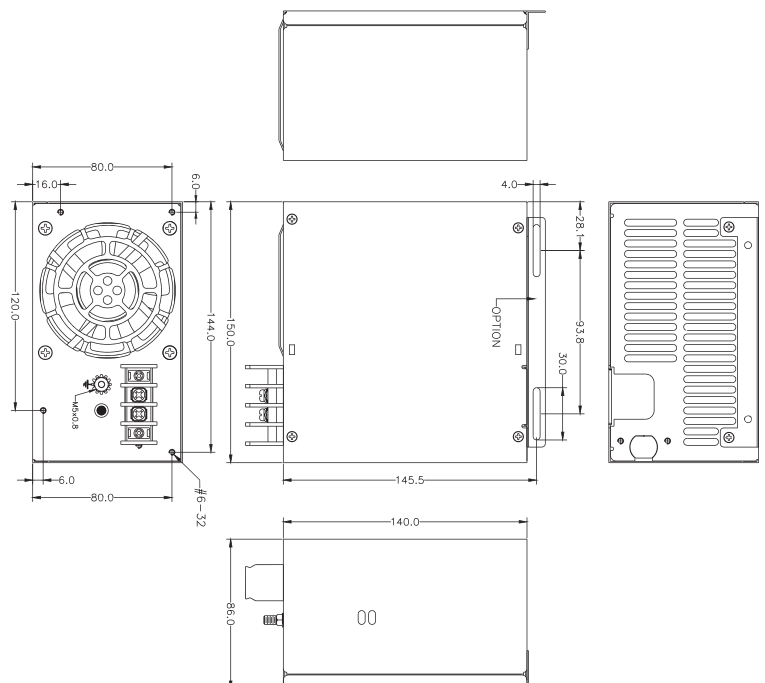
EFFICIENCY : >80% TYPICAL AT 24V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 140 (D) x150 (W) x 86 (H) mm (PS/2)

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



PS2 DC to DC



DC PS2

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DHG2-5400V	400W	25A	32A	25A	X	0.8A	3.5A
DHG2-5500V	500W	25A	41A	25A	X	0.8A	3.5A
DHG2-5600V	600W	25A	45A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : THE OUTPUT CURRENT OF +5V & +3.3V NOT EXCEED 40A

DHG2-5400V
DHG2-5500V
DHG2-5600V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72VDC

INPUT CURRENT :

400W 15~8 AMP (11 AMP AT -48VDC)

500W 18~9 AMP (13 AMP AT -48VDC)

600W 21~11 AMP (16 AMP AT -48VDC)

INRUSH CURRENT :

50AMPS @ -48VDC

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C , STORAGE -20°C ~ 80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 12V MUST BE MAINTAIN 1.6ms

AT -48V

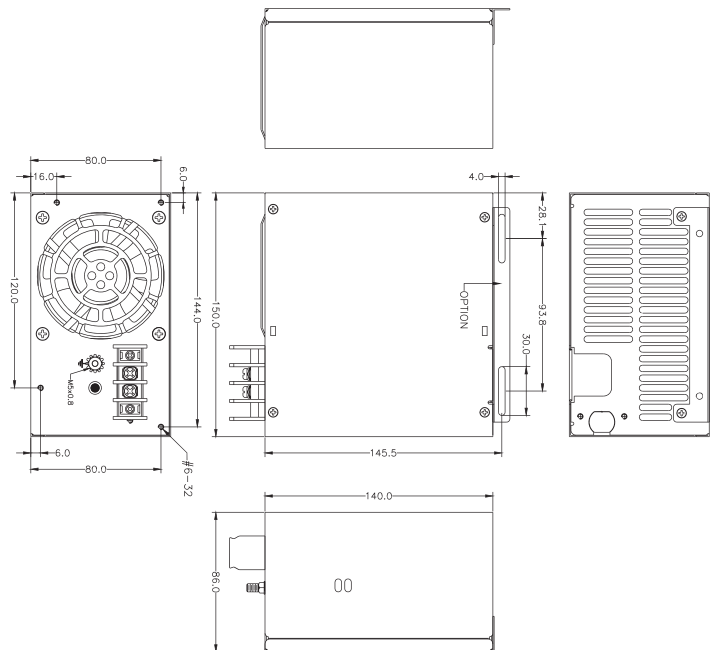
EFFICIENCY : >80% TYPICAL AT -48V, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

DIMENSION : 140 (D) x150 (W) x 86 (H) mm (PS/2)

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



DC PS2+

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DPSM-6500F	500W	30A	40A	30A	0.8A	0.8A	2A
DPSM-6550F	550W	30A	45A	30A	0.8A	0.8A	2A
DPSM-6600F	600W	30A	50A	30A	0.8A	0.8A	2A
REGULATION LOAD		±3%	±3%	±3%	±5%	±5%	±5%
RIPPLE AND NOISE		70mV	100mV	50mV	50mV	100mV	60mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 40A

DPSM-6500F DPSM-6550F DPSM-6600F

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC, FULL RANGE

INPUT CURRENT :

16A (RMS) AT -48 VDC

INRUSH CURRENT :

30A @ -48 VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 1.6 ms

IN REGULATION LIMIT AT FULL LOAD UNDER -48VDC INPUT VOLTAGE

EFFICIENCY : 75% TYPICAL AT -48VDC, AT FULL LOAD

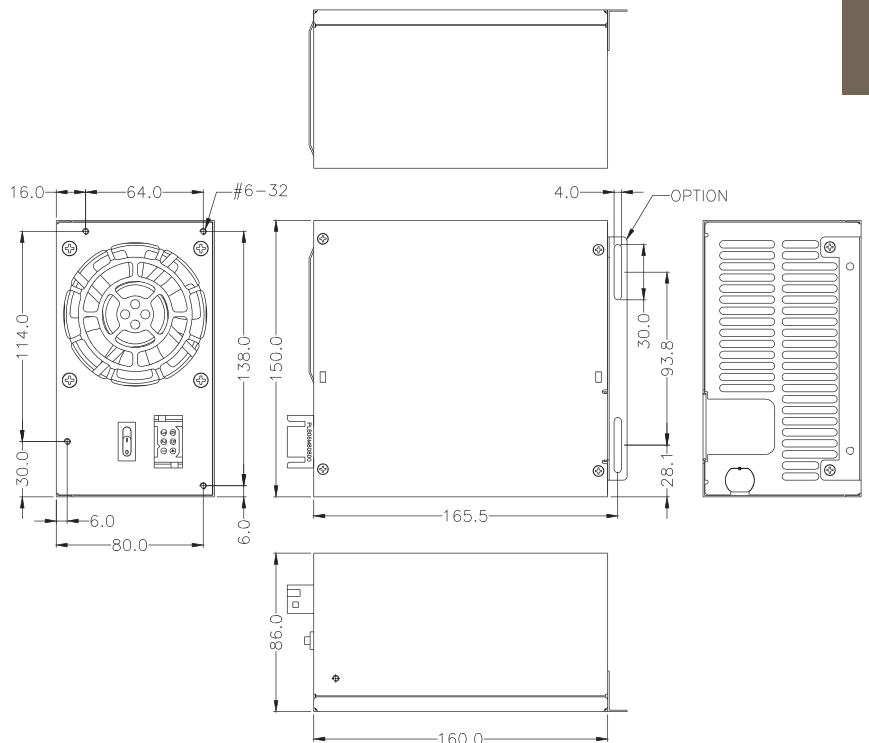
POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1.6 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

BUILT-IN FAN SPEED CONTROL

DIMENSION : 160 (D) x 150 (W) x 86 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



DC 1U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DR1U2-5200V4H	200W	14A	16A	14A	X	0.3A	2A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 100W.

POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 200W

DR1U2-5200V4H

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 1ms MIN. IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE (DC -48V)

EFFICIENCY(PER SET) : TYPICAL 76-80% AT -48V, 12V/16A 5VSB/1.6A

OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON / OFF CONTROL

REMOTE SENSING DESIGN

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

DIMENSION : 260(D) * 106(W) * 41.8 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

-40 ~ -72VDC

FREQUENCY :

DC

STEADY-STATE CURRENT :

10/5A MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

10A MAX. @-48VDC INPUT(AT 25DEGREES AMBIENT COLD START)

START UP CURRENT :

13A MAX. @-48VDC INPUT

EMI :

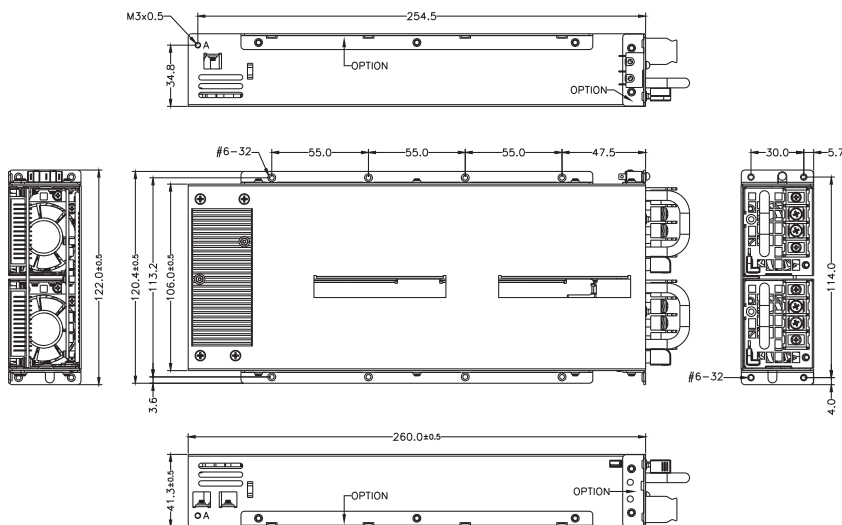
IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC



DC 1U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DR1V2-5250V4H	250W	20A	20A	20A	X	0.3A	2.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 150W;
POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 250W

DR1V2-5250V4H

INPUT CHARACTERISTICS:

INPUT CURRENT :

-40 ~ -72VDC, NORMAL -48VDC

STEADY-STATE CURRENT :

10/5 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

10AMPS @ -48VDC (AT 25 DEGREES AMBIENT COLD START)

START UP CURRENT :

13AMPS MAX. @ -48VDC INPUT (AT 25 DEGREES AMBIENT COLD STAR)

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~ 80°C

HOLD UP TIME : 1 mSEC IN REGULATION LIMIT AT NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL 78%(+/-2%) AT -48VDC, 12V/20A 5VSB/2A

POWER GOOD SIGNAL : ON DELAY 100 ms TO 600 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

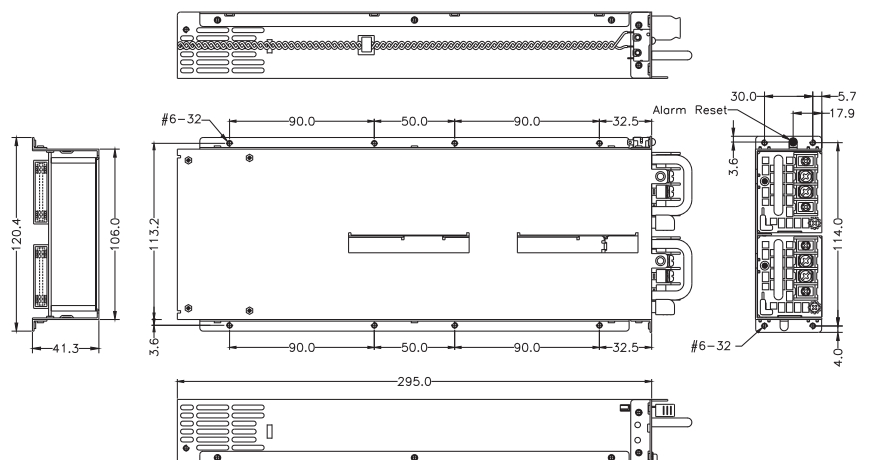
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

REMOTE ON/OFF CONTROL

DIMENSION : 295 (D) X 106(W) X 41.8(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant DC to DC



DC 1U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BM1U2-5500V4H	500W	22A	41A	22A	X	0.5A	3A
BM1U2-5501V4H	500W	36A	41A	31A	X	0.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : TOTAL MAX OUTPUT OF +5V AND +3.3V NOT EXCEED 150W

BM1U2-5500V4H BM1U2-5501V4H

INPUT CHARACTERISTICS:

VOLTAGE :

19 ~ 36VDC

INPUT CURRENT :

30 / 18A MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

10A MAX. @28VDC INPUT (AT 25 DEGREES AMBIENT COLD START)

START UP CURRENT :

24AMPS MAX. @28VDC INPUT (AT 25 DEGREES AMBIENT COLD START)

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 1ms IN REGULATOIN LIMIT AT NORMAL INPUT VOLTAGE (DC 28V)

EFFICIENCY(PER SET) : POWER SUPPLY EFFICIENCY TYPICAL 80% AT 28VDCin, FULL LOAD

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

REMOTE ON/OFF CONTROL

BALANCE LOAD SHARING DESIGN

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION BUILT-IN THE POWER MODULE

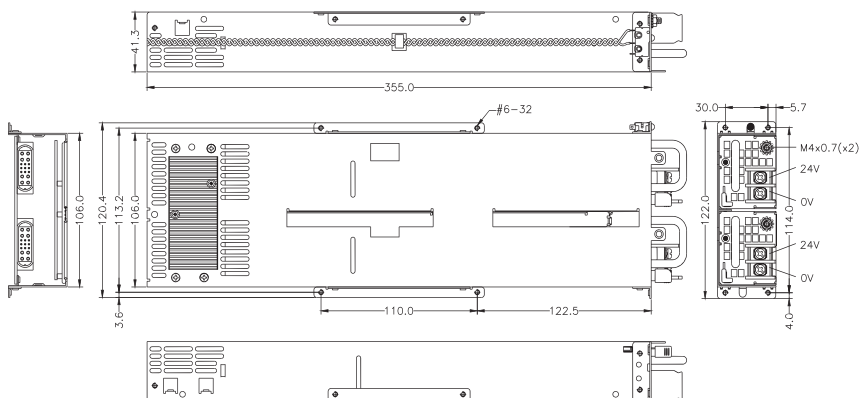
WARNING METHOD : BUZZER, TTL SIGNAL

DIMENSION : 355(D) * 106(W) * 41.3 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant DC to DC

DC 1U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1S2-5400V4H	400W	25A	33A	25A	X	0.8A	3.5A
DM1S2-5401V4H	400W	25A	33A	25A	X	0.8A	3.5A
DM1S2-5500V4H	500W	25A	41A	25A	X	0.8A	3.5A
DM1S2-5501V4H	500W	25A	41A	25A	X	0.8A	3.5A
DM1S2-5551V4H	550W	25A	45A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 170W

DM1S2-5400V4H
DM1S2-5401V4H
DM1S2-5500V4H
DM1S2-5501V4H
DM1S2-5551V4H

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72VDC, NORMAL : -48VDC

STEADY-STATE CURRENT :

400W → -36 ~ -72VDC / 15~7 AMP (11 AMP AT -48VDC);

500W → -36 ~ -72VDC / 19~9 AMP (14 AMP AT -48VDC)

550W → -36 ~ -72VDC / 21~10 AMP (15 AMP AT -48VDC)

INRUSH CURRENT :

40 AMPS @-48VDC (AT 25 DEGREES AMBIENT COLD START)

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C , STORAGE -20°C ~80°C ; OPERATING

EMPERATURE FROM 0°C SHOULD START FROM DC -48V

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 1.6ms

IN REGULATION LIMIT AT -48V

EFFICIENCY : >80% AT -48V · FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500Ms

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

REMOTE ON/OFF CONTROL

BALANCE LOAD SHARING DESIGN

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

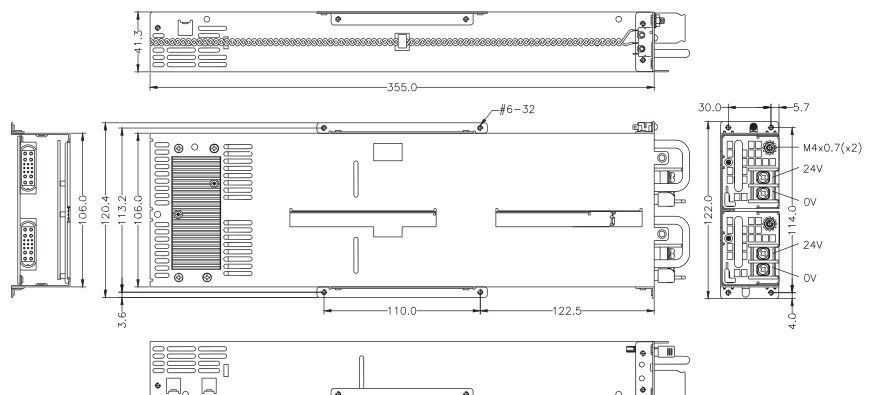
ISOLATION BUILT-IN THE POWER MODULE

DIMENSION : 355(D) * 106(W) * 41.3(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant DC to DC



DC 1U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1U2-2650V4H	650W	X	54A	X	X	X	3A
REGULATION LOAD		X	±5%	X	X	X	±5%
RIPPLE AND NOISE		X	120mV	X	X	X	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 650W

DM1U2-2650V4H

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 1mS IN REGULATION LIMIT AT NORMA INPUT VOLTAGE (DC -48V)

EFFICIENCY(PER SET) : TYPICAL 85% AT 115V, 12V/54A 5VSB/0.4A; TYPICAL 88% AT 230V, 12V/54A, 5VSB/0.4A

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON / OFF CONTROL

REMOTE SENSING DESIGN

BALANCE LOAD SHARING DESIGN

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

DIMENSION : 355(D) * 106(W) * 41.8 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

-40 ~ -72VDC

FREQUENCY :

0HZ (DC)

STEADY-STATE CURRENT :

20/10 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT VOLTAGE

INRUSH CURRENT :

10A MAX. @-48VDC INPUT (AT 25DEGREES AMBIENT COLD START)

START UP CURRENT :

20 AMPS MAX. @ -48VDC INPUT (AT 25DEGREES AMBIENT COLD START)

EMI :

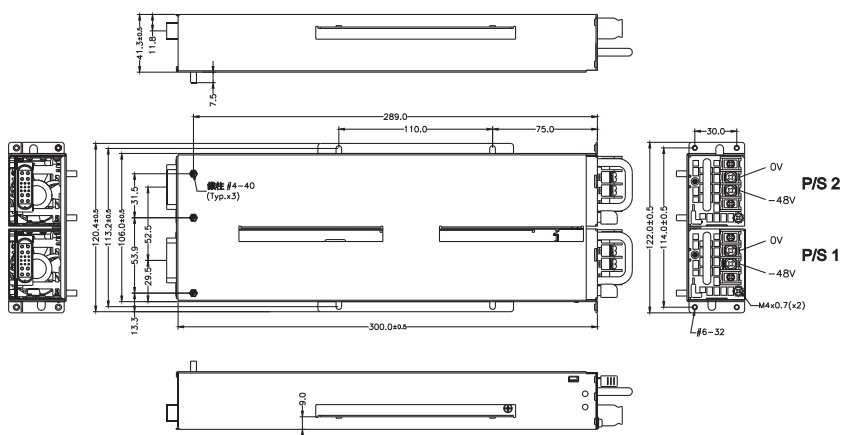
IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL, CUL, TUV, CCC



DC 1U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1U2-5650V4H	650W	22A	54A	22A	X	0.5A	3A
DM1U2-5750V4H	750W	22A	62A	22A	X	0.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : TOTAL MAX OUTPUT OF +5V AND +3.3V NOT EXCEED150W.

DM1U2-5650V4H DM1U2-5750V4H

INPUT CHARACTERISTICS:

VOLTAGE :

-40 ~ -72VDC

FREQUENCY :

DC

STEADY-STATE CURRENT :

WATTAGE	LOW	HIGH
650W	20A	10A
750W	24A	14A

INRUSH CURRENT :

10A MAX. @-48VDC INPUT(AT 25DEGREES AMBIENT COLD START)

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 1mS MIN.

EFFICIENCY(PER SET) : TYPICAL 85% AT -48V, 12V/54A 5VSB/0.4A – 650W; TYPICAL 85% AT -48V, 12V/63A, 5VSB/1.2A – 750W

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

REMOTE SENSING DESIGN DESIGN

BALANCE LOAD SHARING DESIGN

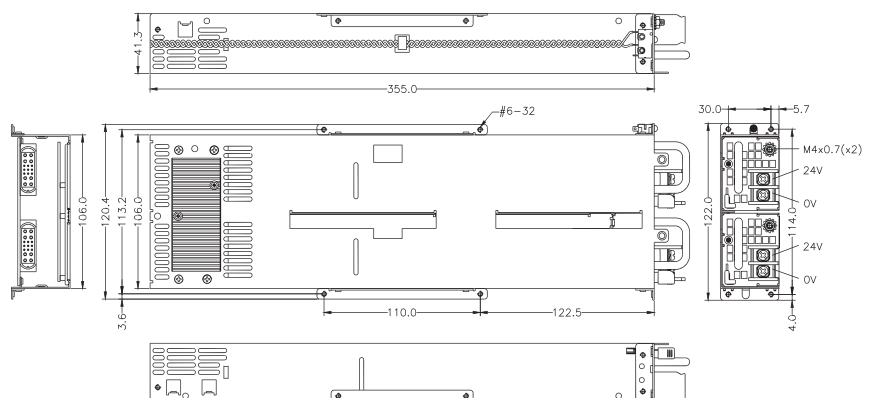
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION BUILT-IN THE POWER MODULE

WARNING METHOD : LED, BUZZER, TTL SIGNAL

DIMENSION : 355(D) * 106(W) * 41.3 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant DC to DC



DC 1U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DR1S2-5300V4H	300W	20A	24A	20A	X	0.5A	2.5A
DR1S2-5380V4H	380W	20A	30A	20A	X	0.5A	2.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 140W; TOTAL OUTPUT MAX : 300W/380W

DR1S2-5300V4H DR1S2-5380V4H

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72VDC, NORMAL : -48VDC

STEADY-STATE CURRENT

WATTAGE	-36~-72VDC
300W	12~6 AMP (9 AMP AT -48VDC)
380W	15~7 AMP (11 AMP AT -48VDC)

INRUSH CURRENT :

70 AMPS @-48VDC (AT 25 DEGREES AMBIENT COLD START)

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C ; OPERATING

EMPERATURE FROM 0°C SHOULD START FROM DC -48V

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 1.6mS

IN REGULATION LIMIT AT -48V

EFFICIENCY : >80% AT -48V · FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500Ms

OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

BALANCE LOAD SHARING DESIGN

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

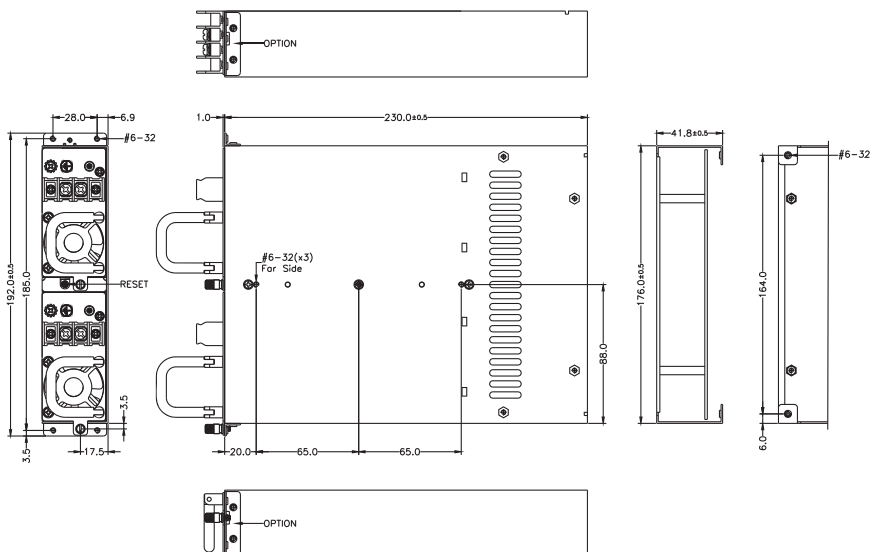
ISOLATION : BUILT-IN THE POWER MODULE

DIMENSION : 230(D) x 176(W) x 41.8(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



DC 1U Redundant

DC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DR1M-6221F	220W	25A	16A	15A	0.5A	0.5A	2A
REGULATION LOAD		±5%	±6%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	50mV

REMARKS : THE OUTPUT POWER OF 5V & 3.3V MAX : 28A

DR1M-6221F

INPUT CHARACTERISTICS:

VOLTAGE :

DC -36 V ~ -72 V

INPUT CURRENT :

7A @ -48VDC

INRUSH CURRENT :

10A @ -48VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : -10°C ~ 50°C ; STORAGE : -20°C ~ 80°C

HOLD UP TIME : 1.6 mS MINIMUM AT FULL LOAD & -48VDC INPUT VOLTAGE

EFFICIENCY : 68% TYPICAL @ -48VDC INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

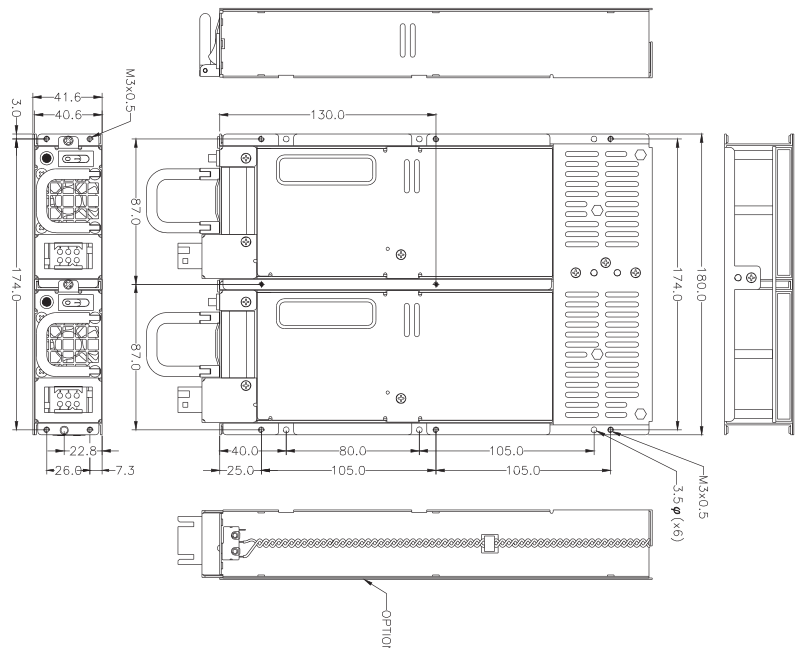
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION BUILT-IN THE POWER MODULE

WARNING METHOD : LED, BUZZER, TTL SIGNAL

DIMENSION : 260 (D) X 180(W) X 40.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant DC to DC



DC 1U Redundant

DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DR1Z-6400F	400W	25A	28A	20A	0.5A	0.8A	2.0A
REGULATION LOAD		±5%	±6%	±5%	±10%	+5/-7%	+5/-6%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	150mV	70mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX:175W

DR1Z-6400F

INPUT CHARACTERISTICS:

VOLTAGE :

DC -36 V ~ -72 V

INPUT CURRENT :

17A @ -36~-72VDC

INRUSH CURRENT :

60A @ 48VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING -10°C ~40°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & -48VDC INPUT VOLTAGE

EFFICIENCY : 70% TYPICAL @ DC-48 INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION BUILT-IN THE POWER MODULE

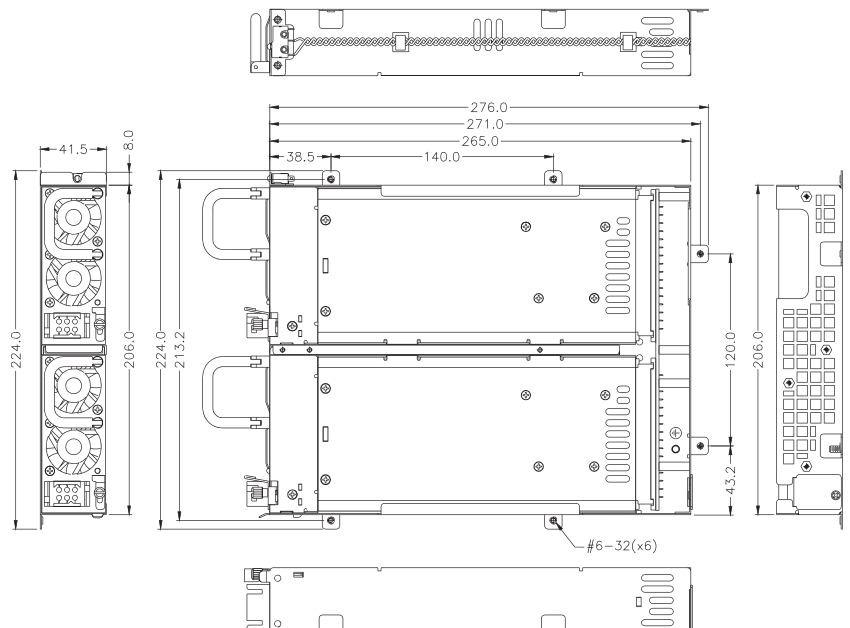
WARNING METHOD : LED, BUZZER, TTL SIGNAL

DIMENSION : 265 (D) X 206(W) X 41.5(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant DC to DC

DC Mini Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BMRW-5360V4V	360W	25A	28A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 170W;
TOTAL OUTPUT POWER NOT EXCEED 360W

BMRW-5360V4V

INPUT CHARACTERISTICS:

VOLTAGE :

18 ~ 36 VDC

STEADY-STATE CURRENT :

18-36VDC/28-13AMP(19AMP AT 24VDC)

INRUSH CURRENT :

60A @24VDC AT 25 DEGREES AMBIENT COLD START

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~ 80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 12V MUST BE MAINTAIN 1MS IN 24V

EFFICIENCY : TYPICAL >80% AT 24VDC, 25%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON / OFF CONTROL

REMOTE SENSING DESIGN

BALANCE LOAD SHARING DESIGN

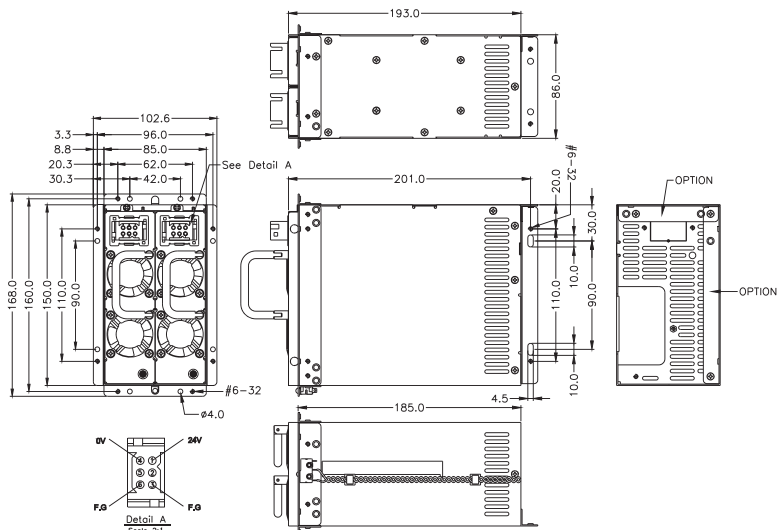
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

DIMENSION : 185(D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



1U Redundant DC to DC



DC Mini Redundant

DC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DMRW-6300F	300W	30A	20A	20A	0.5A	1.2A	2.0A
DMRW-6350F	350W	32A	25A	25A	0.5A	1.2A	2.0A
DMRW-6375F	375W	32A	25A	25A	0.5A	1.2A	2.0A
DMRW-6400F	400W	32A	25A	25A	0.5A	1.2A	2.0A
REGULATION LOAD		±5%	+7/-5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	100mV	120mV	75mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 45A

DMRW-6300F
DMRW-6350F
DMRW-6375F
DMRW-6400F

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC ; -42~-72VDC(400W)

INPUT CURRENT :

10.0A / 10.0A / 12.0A / 14.0A (RMS). FOR -48 VDC

INRUSH CURRENT :

20 AMPS @ 48VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL AT DC-48 INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

REMOTE SENSING DESIGN

BALANCE LOAD SHARING DESIGN

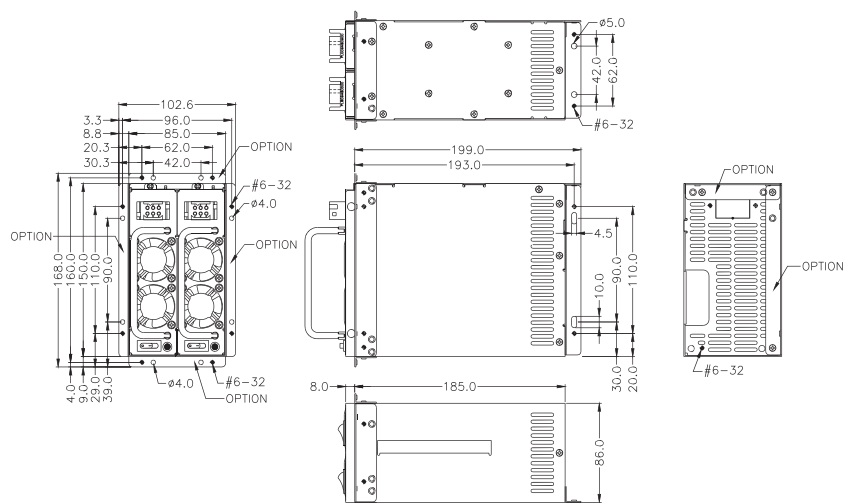
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION

WARNING METHOD : LED, BUZZER, TTL SIGNAL

DIMENSION : 185(D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



DC Mini Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DMRW-5500V4V	500W	25A	41A	25A	X	0.8A	3.5A
DMRW-5600V4V	600W	25A	45A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 170W

DMRW-5500V4V DMRW-5600V4V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC

INPUT CURRENT :

13A / 16A @ -48VDC

INRUSH CURRENT :

70A AT -48VDC AT 25 DEGREES AMBIENT COLD START

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 12V MUST BE MAINTAIN 1ms

IN -48V

EFFICIENCY : TYPICAL >80% AT -48VDC, 25%~100% MAX LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

REMOTE SENSING DESIGN DESIGN

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION

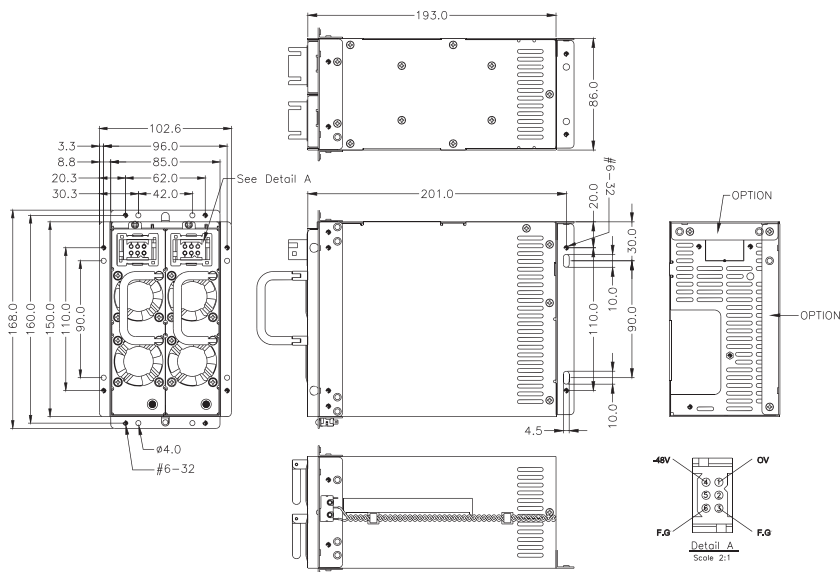
WARNING METHOD : LED, BUZZER, TTL SIGNAL

DIMENSION : 185(D) X 150(W) X 86(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



Mini Redundant DC to DC

DC 2U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BM1U2-5500V4V	500W	22A	41A	22A	X	0.5A	3A
BM1U2-5501V4V	500W	36A	41A	31A	X	0.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARK : TOTAL MAX OUTPUT OF +5V AND +3.3V NOT EXCEED150W.

BM1U2-5500V4V BM1U2-5501V4V

INPUT CHARACTERISTICS:

VOLTAGE :

19 ~ 36VDC

STEADY-STATE CURRENT

30 / 18A MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT

10A MAX. @28VDC INPUT (AT 25DEGREES AMBIENT COLD START)

START UP CURRENT

24AMPS MAX.@28VDC INPUT (AT 25 DEGREES AMBIENT COLD START)

EMI

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY

TO MEET UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 1ms IN REGULATOIN LIMIT AT NORMAL INPUT VOLTAGE (DC 28V)

EFFICIENCY(PER SET) : POWER SUPPLY EFFICIENCY TYPICAL 80% AT 28VDCin, FULL LOAD

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

REMOTE ON / OFF CONTROL

BALANCE LOAD SHARING DESIGN

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

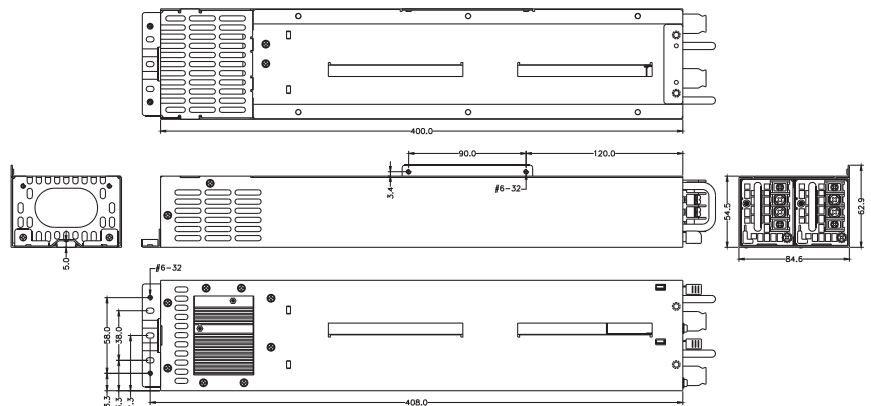
FAULTY ALARM METHODS : BUZZER, TTL SIGNAL

DIMENSION : 400(D) * 54.5(W) * 84.6 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant DC to DC

DC 2U Redundant

DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1U2-5650V4V	650W	22A	54A	22A	X	0.5A	3A
DM1U2-5750V4V	750W	22A	62A	22A	X	0.5A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED150W.

POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 650W / 750W

DM1U2-5650V4V DM1U2-5750V4V

INPUT CHARACTERISTICS:

VOLTAGE :

-40 ~ -72VDC

FREQUENCY :

0HZ (DC)

STEADY-STATE CURRENT :

WATTAGE	LOW	HIGH
650W	20A	10A
750W	24A	14A

INRUSH CURRENT :

10A MAX. @ -48VDC INPUT(AT 25DEGREES AMBIENT COLD START)

START UP CURRENT :

20 AMPS MAX. @ -48VDC INPUT(AT 25DEGREES AMBIENT COLD START)

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN ALL DC OUTPUT MUST BE MAINTAIN 1ms

IN REGULATION LIMIT AT -48V

EFFICIENCY(PER SET) : TYPICAL 82% / 85% AT 48VDCTN

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON / OFF CONTROL

REMOTE SENSING DESIGN

BALANCE LOAD SHARING DESIGN

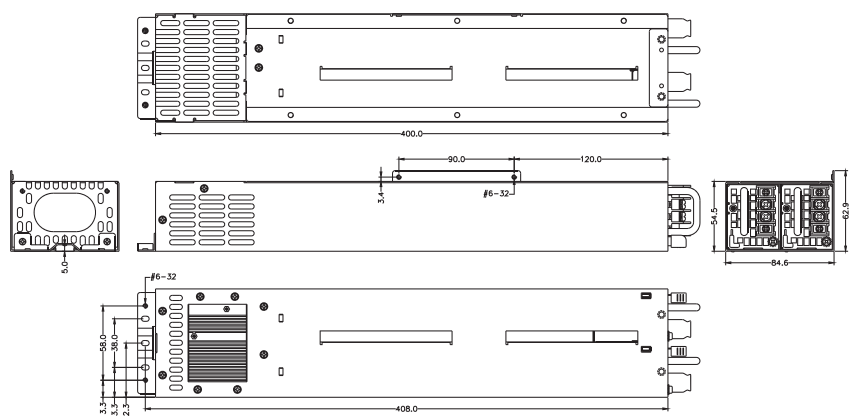
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

DIMENSION : 400(D) * 54.5(W) * 84.6 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant DC to DC



DC 2U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DPSS2-5A00V3V	1000W	22A	83A	22A	X	0.5A	4A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V & +3.3V NOT EXCEED 150W

DPSS2-5A00V3V

2U Redundant DC to DC

INPUT CHARACTERISTICS:

VOLTAGE :

DC -36 V ~ -72 V

INPUT CURRENT :

30A MAXIMUM @ -48VDC

INRUSH CURRENT :

LESS THAN 10A FOR EACH MODULE

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE: OPERATING: 0°C ~ 50°C ; STORAGE: -20°C ~ 80°C

HOLD UP TIME: 1 ms MINIMUM AT NORMAL INPUT VOLTAGE(-48VDC)

EFFICIENCY: 83% TYPICAL @ -48VDC FULL LOAD

POWER GOOD SIGNAL: ON DELAY 100 ms TO 500 ms

OUTPUT PROTECTION: OPP / OVP / SCP

FAULTY ALARM METHODS: LED, BUZZER, TTL SIGNAL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION: BUILT-IN THE POWER MODULE

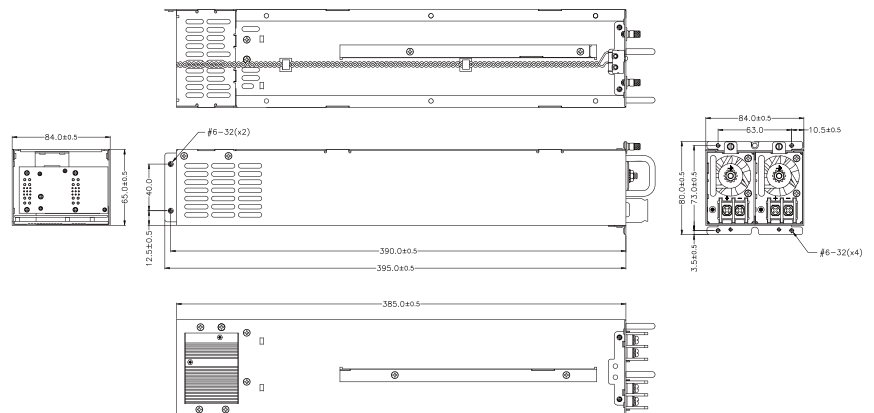
REMOTE SENSING DESIGN

DIMENSION: 385(D) x 65(W) x 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

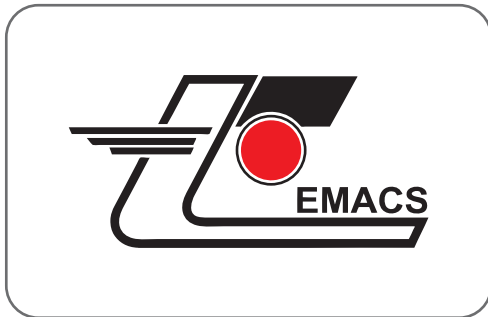
CORRESPONDING EMC- AND SAFETY-REGULATIONS.



DC 2U Redundant

DC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DMIN2-6221F	220W	25A	16A	15A	0.5A	0.5A	2A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	150mV	150mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX. 28A

DMIN2-6221F

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC, NORMAL -48VDC

INPUT CURRENT :

7A MAX. FOR EACH POWER UNIT

INRUSH CURRENT :

15A AT -48VDC (AT 25 DEGREES AMBIEND COLD START)

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING -10°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 1.6ms IN REGULATOIN LIMIT AT NORMAL INPUT VOLTAGE (DC -48V)

EFFICIENCY : POWER SUPPLY EFFICIENCY TYPICAL 68% AT 48VDCin, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

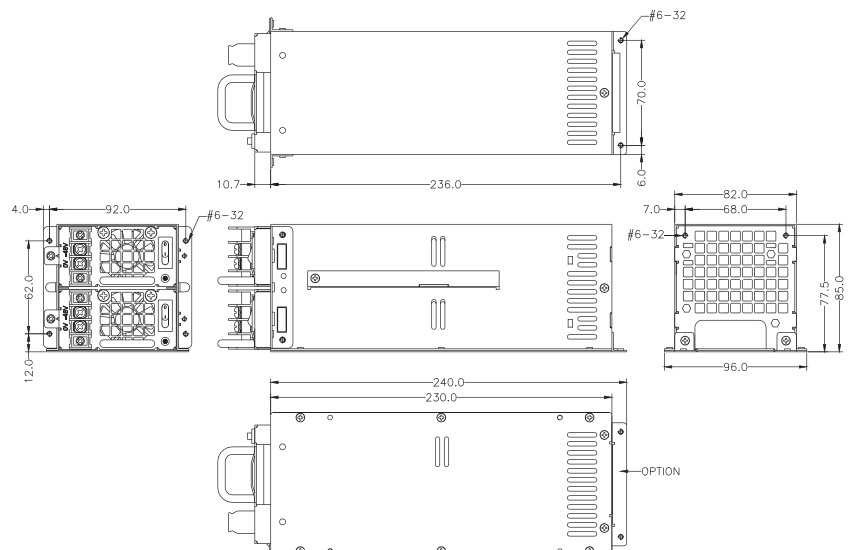
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION

3.3V / 5V REMOTE SENSING

DIMENSION : 230(D) X 82(W) X 85(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



DC 2U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DR1S2-5300V4H	300W	20A	24A	20A	X	0.5A	2.5A
DR1S2-5380V4H	380W	20A	30A	20A	X	0.5A	2.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 140W; TOTAL OUTPUT MAX : 300W/380W

DR1S2-5300V4V DR1S2-5380V4V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72VDC, NORMAL : -48VDC

STEADY-STATE CURRENT :

WATTAGE	-36~-72VDC
300W	12~6 AMP (9 AMP AT -48VDC)
380W	15~7 AMP (11 AMP AT -48VDC)

INRUSH CURRENT :

70 AMPS @-48VDC (AT 25 DEGREES AMBIENT COLD START)

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C , STORAGE -20°C ~80°C ; OPERATING

EMPERATURE FROM 0°C SHOULD START FROM DC -48V

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 1.6mS

IN REGULATION LIMIT AT -48V

EFFICIENCY : >80% AT -48V · FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500Ms

OUTPUT PROTECTION : OPP / OVP / SCP

REMOTE ON/OFF CONTROL

BALANCE LOAD SHARING DESIGN

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

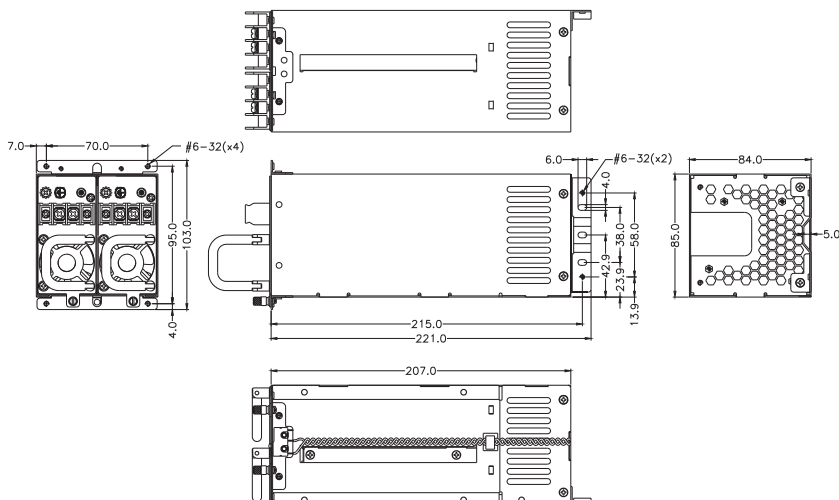
ISOLATION : BUILT-IN THE POWER MODULE

DIMENSION : 207(D) x 85(W) x 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



DC 2U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BM1P2-5250V4V	250W	32A	20A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARK : TOTAL MAX OUTPUT OF +5V AND +3.3V NOT EXCEED170W.

BM1P2-5250V4V

INPUT CHARACTERISTICS:

VOLTAGE :

19~36VDC

STEADY-STATE CURRENT :

14A @ 24VDC

INRUSH CURRENT :

50A MAX. @24VDC INPUT (AT 25DEGREES AMBIENT COLD START)

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 1ms IN REGULATOIN LIMIT AT NORMAL INPUT VOLTAGE (DC 24V)

EFFICIENCY(PER SET) : POWER SUPPLY EFFICIENCY TYPICAL 80% AT 24VDCin, FULL LOAD

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

REMOTE ON / OFF CONTROL

BALANCE LOAD SHARING DESIGN

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

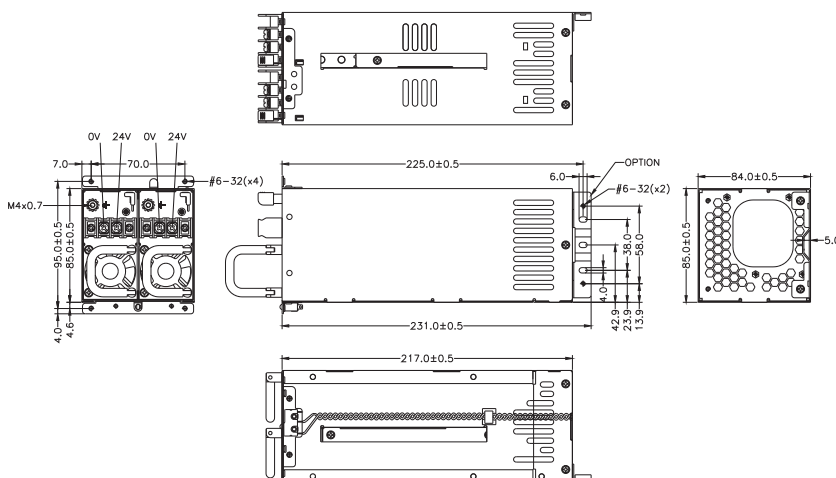
ISOLATION : BUILT-IN THE POWER MODULE

FAULTY ALARM METHODS : BUZZER, TTL SIGNAL

DIMENSION : 217(D) X 85(W) X 84 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

2U Redundant DC to DC



DC 2U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1P2-5500V4V	500W	32A	41A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : TOTAL MAX OUTPUT OF +5V AND +3.3V NOT EXCEED170W.

DM1P2-5500V4V

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 1ms IN REGULATOIN LIMIT AT NORMAL INPUT VOLTAGE (DC -48V)

EFFICIENCY : POWER SUPPLY EFFICIENCY TYPICAL 80% AT 48VDCin, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP /OCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION

3.3V / 5V REMOTE SENSING

DIMENSION : 217(D) X 85(W) X 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC, NORMAL -48VDC

INPUT CURRENT :

-36~-72VDC/19~9AMP (14AMP AT-48 VDC)

INRUSH CURRENT :

40A AT -48VDC (AT 25 DEGREES AMBIEND COLD START)

EMI :

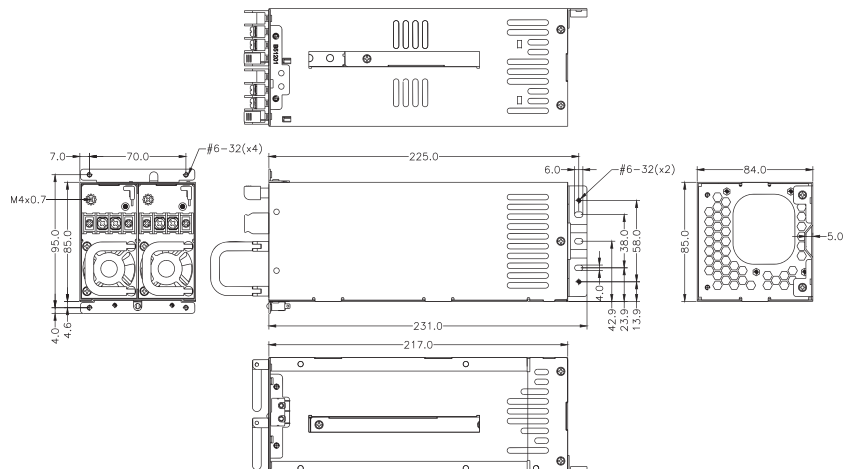
FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV



2U Redundant DC to DC

DC 2U Redundant

DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DR2Z-6400F	400W	25A	28A	20A	0.5A	0.8A	2.0A
REGULATION LOAD		±5%	±6%	±5%	±10%	+5/-7%	+5/-6%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	150mV	70mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 175W

DR2Z-6400F

INPUT CHARACTERISTICS:

VOLTAGE :

DC -36 V ~ -72 V

INPUT CURRENT :

17A @ -36~-72 VDC

INRUSH CURRENT :

60A @ 48VDC (AT 25 DEGREES AMBIENT COLD START)

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~50°C , STORAGE -20°C ~80°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & NOMINAL INPUT VOLTAGE

EFFICIENCY : 70% TYPICAL AT DC-48 INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

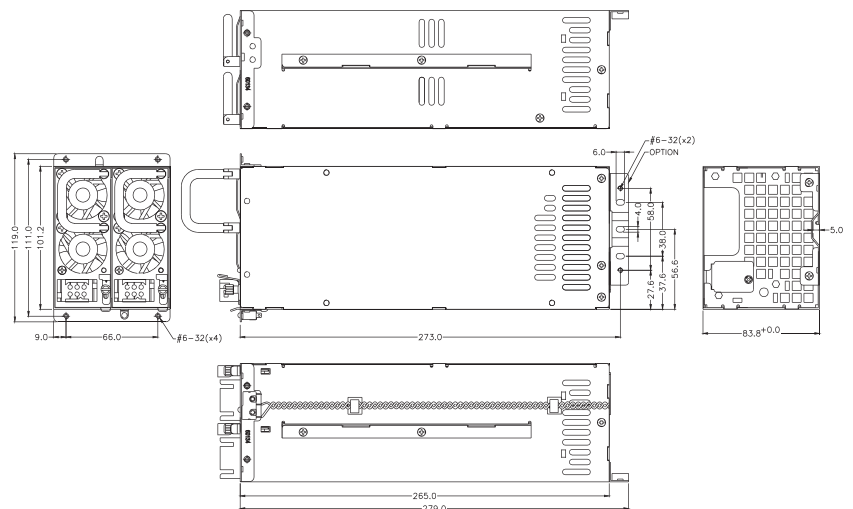
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION BUILT-IN THE POWER MODULE

WARNING METHOD : LED, BUZZER, TTL SIGNAL

DIMENSION : 265(D) X 101(W) X 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant DC to DC

DC 2U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BM1Z2-5360V3V	360W	24A	28A	24A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

BM1Z2-5360V3V

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 1.6 mS MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : TYPICAL >80% AT 24VDC, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

DIMENSION : 265(D) X 101(W) X 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

18 ~ 36 VDC, NORMAL 24VDC

INRUSH CURRENT :

60A @24VDC

STEADY-STATE CURRENT :

29AMPS MAXIMUM AT 18 TO 36V DC

EMI :

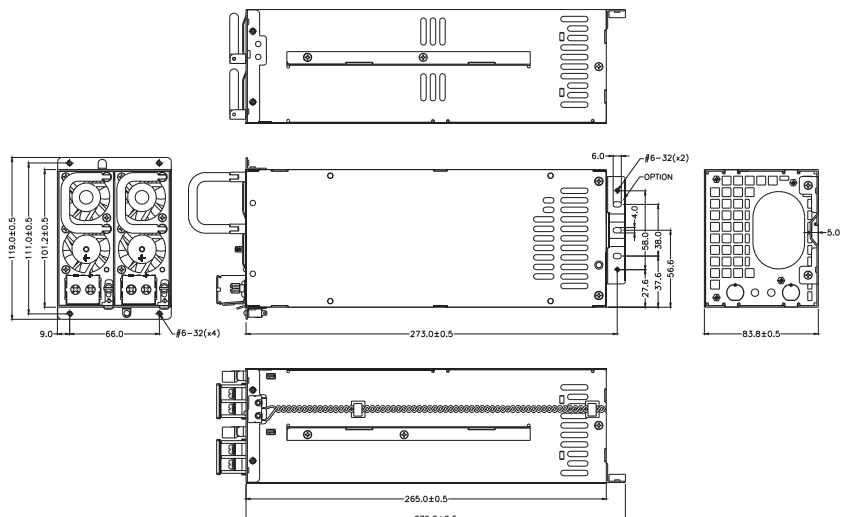
IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

TO MEET UL, CUL, TUV



2U Redundant DC to DC

DC 2U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1Z2-5500V3V	500W	24A	40A	24A	X	0.8A	3A
DM1Z2-5550V3V	550W	24A	45A	24A	X	0.8A	3A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

DM1Z2-5500V3V DM1Z2-5550V3V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC, NORMAL -48VDC

INPUT CURRENT :

16/17A @ -48VDC

INRUSH CURRENT :

30A AT -48VDC (AT 25 DEGREES AMBIEND COLD START)

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 1.6 mS MINIMUM AT FULL LOAD & -48VDC INPUT VOLTAGE

EFFICIENCY : 80% TYPICAL · AT INPUT -48V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

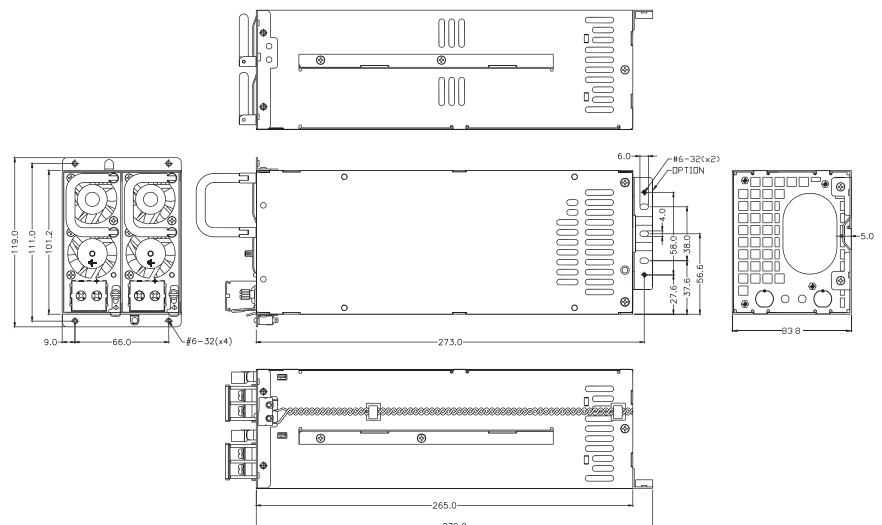
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION

3.3V / 5V REMOTE SENSING

DIMENSION : 265(D) X 101(W) X 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant DC to DC



DC 2U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BR2G-5420V4V	420W	25A	33A	25A	X	0.8A	3.5A
BR2G-5460V4V	460W	25A	37A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 170W

BR2G-5420V4V BR2G-5460V4V

2U Redundant DC to DC

INPUT CHARACTERISTICS:

VOLTAGE :

18 ~ 36 VDC, NORMAL 24VDC

STEADY-STATE CURRENT:

18~36VDC / 35-16AMP (22/24AMP @ 24VDC)

INRUSH CURRENT :

30A @ 24VDC (AT 25 DEGREES AMBIEND COLD START)

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 1ms IN REGULATOIN LIMIT AT NORMAL INPUT VOLTAGE (DC 24V)

EFFICIENCY : >80% TYPICAL AT 24VDC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP /OCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

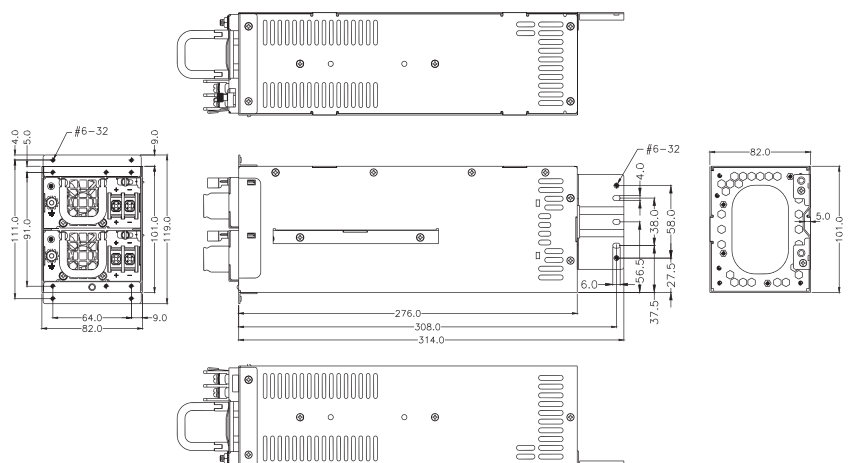
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION

3.3V / 5V REMOTE SENSING

DIMENSION : 276(D) X 101(W) X 82(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



DC 2U Redundant

DC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM2W-6460F	460W	27A	32A	24A	0.7A	0.7A	2.0A
DM2W-6500F	500W	27A	32A	24A	0.7A	0.7A	2.0A
REGULATION LOAD		±5%	±6%	±5%	±5%/-10	±5%/-10	+5/-6%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	120mV	70mV

REMARKS : TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 40A

DM2W-6460F DM2W-6500F

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC

INPUT CURRENT :

15 A @ -48 VDC

INRUSH CURRENT :

30A AT -48VDC (AT 25 DEGREES AMBIEND COLD START)

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & -48VDC INPUT VOLTAGE

EFFICIENCY : 71% TYPICAL AT DC-48 INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

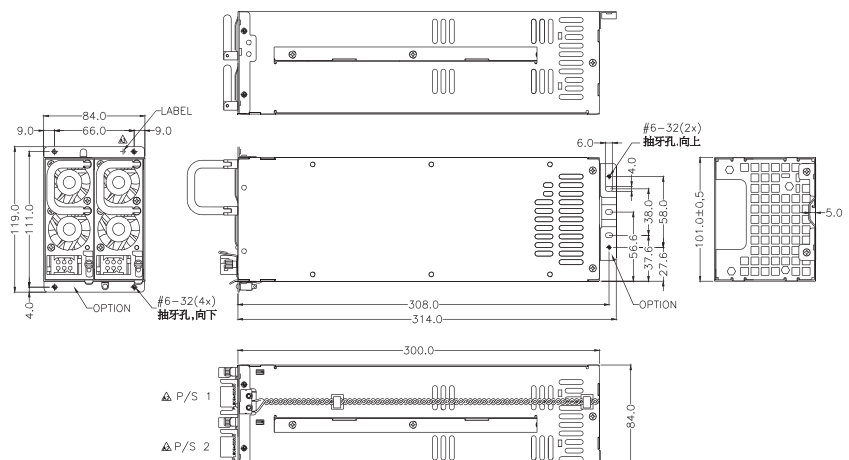
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION

3.3V / 5V REMOTE SENSING

DIMENSION : 300(D) X 101(W) X 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant DC to DC



DC 2U Redundant

DC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DR2G-6350F	350W	35A	22A	20A	0.5A	0.8A	2.0A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	100mV	70mV	150mV	150mV	50mV

REMARKS : THE OUTPUT POWER OF 5V & 3.3V MAX : 35A



DR2G-6350F

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : -10°C ~40°C (36V ~72VDC INPUT),

-10°C ~50°C (46V~72VDC INPUT), STORAGE : -20°C ~80°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL AT -48VDC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION BUILT-IN THE POWER MODULE

3.3V / 5V REMOTE SENSING

DIMENSION : 300 (D) x 101 (W) x 82 (H) mm (W/FAN); 276(D) X 101(W) X 82(H) mm (W/O

FAN)

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

36 ~ 72 VDC

INPUT CURRENT :

15.0 A @ -48VDC

INRUSH CURRENT :

LESS THAN 10A FOR EACH MODULE

EMI :

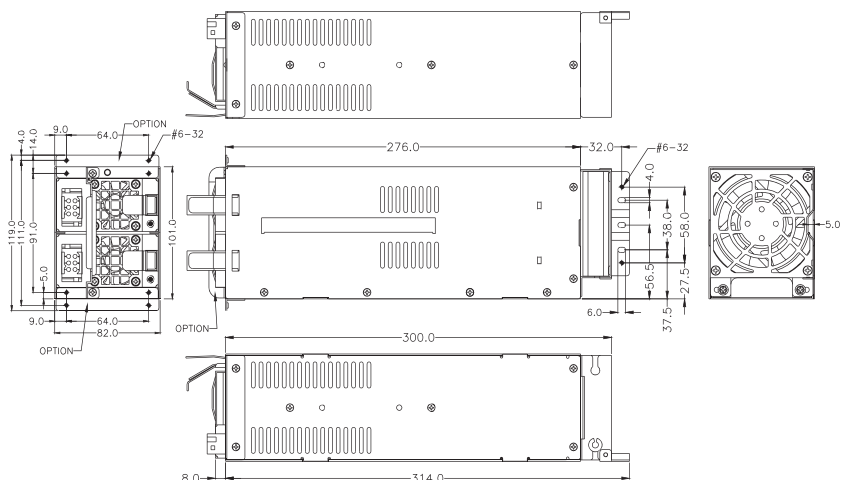
FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST



2U Redundant DC to DC

DC 2U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DR2G-5500V4V	500W	25A	40A	25A	X	0.8A	3.5A
DR2G-5600V4V	600W	25A	48A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 170W

DR2G-5500V4V DR2G-5600V4V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC, NORMAL -48VDC

INPUT CURRENT :

WATTAGE	-48VDC (-36~-72VDC)
500W	25~10AMP (13AMP AT -48VDC)
600W	25~10AMP (15AMP AT -48VDC)

INRUSH CURRENT :

50A @ -48VDC (AT 25 DEGREES AMBIEND COLD START)

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL&CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~40°C, STORAGE : -20°C ~80°C, OPERATING

TEMPERATURE FROM 0°C SHOULD START FROM DC-48V

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

EFFICIENCY : >80% TYPICAL AT -48VDC FULL LOAD

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION

3.3V / 5V REMOTE SENSING

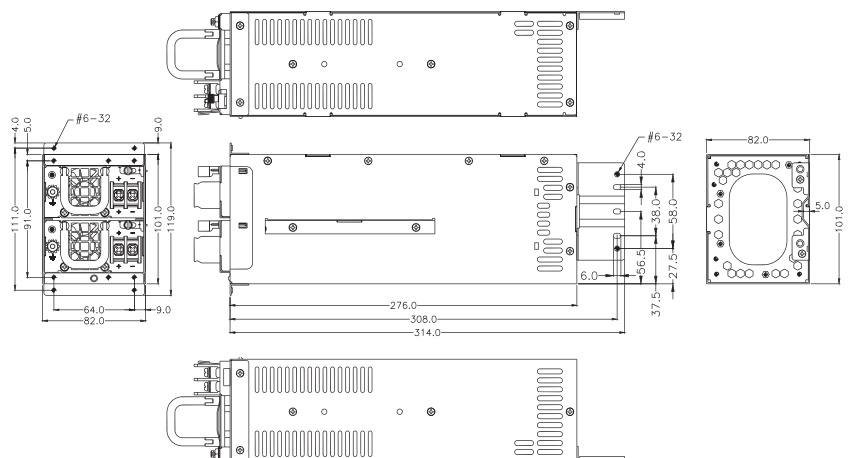
WARNING METHOD : AUDIO ALARM, FAULT LED, TTL

DIMENSION : 276 (D) x 101 (W) x 82 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant DC to DC



DC 2U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DR2G-5800V	800W	32A	65A	32A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 190W

DR2G-5800V

INPUT CHARACTERISTICS:

VOLTAGE :

-39 ~ -72 VDC

STEADY-STATE CURRENT :

-39~-72VDC / 26-14 AMP(21 AMP @ -48VDC)

INRUSH CURRENT :

70A @ -48VDC (AT 25 DEGREES AMBIEND COLD START)

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : 0°C ~50°C , STORAGE : -20°C ~80°C , OPERATING

TEMPERATURE FROM 0°C SHOULD START FROM DC-48V

HOLD UP TIME : 1 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : >80% TYPICAL AT -48VDC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION BUILT-IN THE POWER MODULE

3.3V / 5V REMOTE SENSING

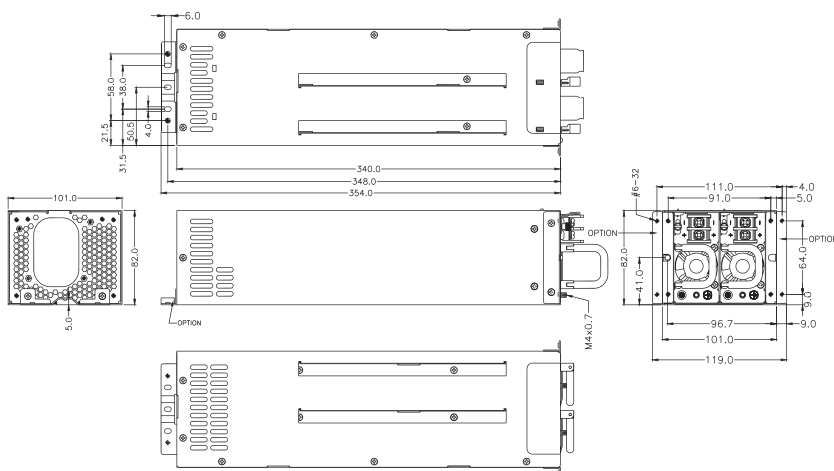
WARNING METHOD : AUDIO ALARM, FAULT LED, TTL

DIMENSION : 340 (D) x 101 (W) x 82 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



DC 2U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1W2-5600V3V	600W	32A	45A	36A	X	0.8A	3.5A
DM1W2-5650V3V	650W	32A	50A	36A	X	0.8A	3.5A
DM1W2-5700V3V	700W	32A	55A	36A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT NOT EXCEED 200W

DM1W2-5600V3V
DM1W2-5650V3V
DM1W2-5700V3V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC, NORMAL -48VDC

INPUT CURRENT :

16/17/19A @ -48VDC

INRUSH CURRENT :

30A AT -48VDC (AT 25 DEGREES AMBIENT COLD START)

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 1 ms MINIMUM AT FULL LOAD & -48VDC INPUT VOLTAGE

EFFICIENCY : 80% TYPICAL · AT INPUT -48V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

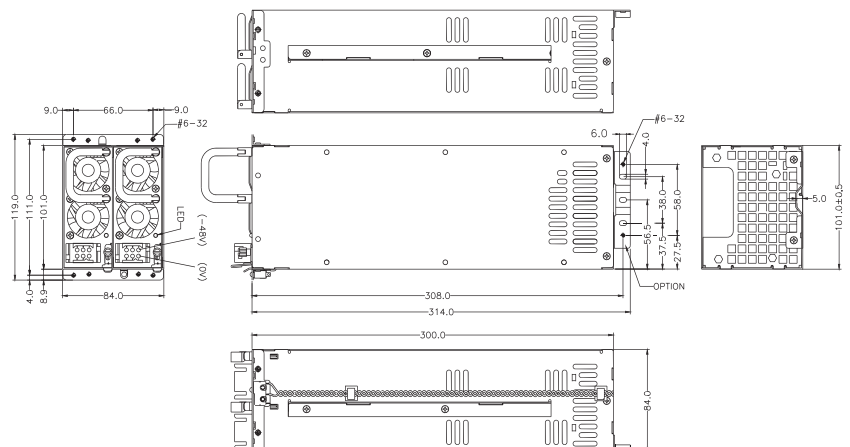
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION

3.3V / 5V REMOTE SENSING

DIMENSION : 300(D) X 101.2(W) X 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant DC to DC

DC 2U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
BG1W2-5600V3V	600W	25A	50A	25A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 190W;
TOTAL OUTPUT MAX 600W (AT 18V ONLY 550W)

BG1W2-5600V3V

INPUT CHARACTERISTICS:

VOLTAGE :

19 ~ 36 VDC

STEADY-STATE CURRENT :

19-36VDC/44-21AMP(32AMP AT 24VDC)

INRUSH CURRENT :

60A @24VDC AT 25 DEGREES AMBIENT COLD START

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C , STORAGE -20°C ~ 80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 12V MUST BE MAINTAIN 1MS IN 24V

EFFICIENCY : TYPICAL >80% AT 24VDC, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON / OFF CONTROL

REMOTE SENSING DESIGN

BALANCE LOAD SHARING DESIGN

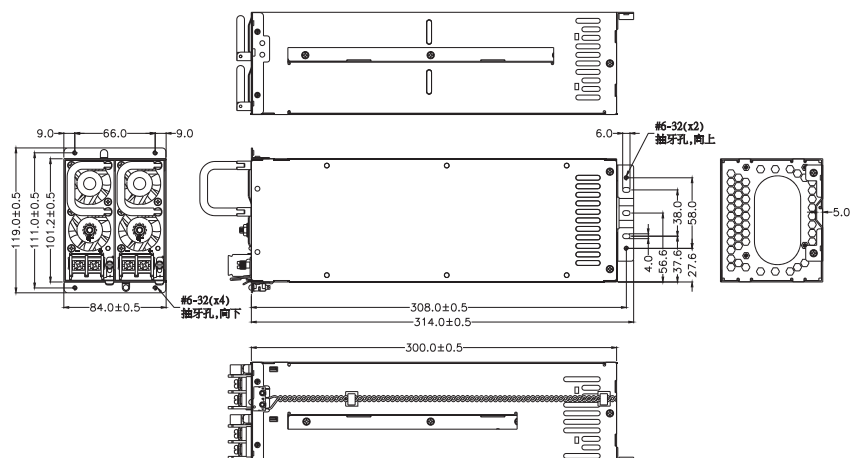
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

DIMENSION : 300(D) X 101.2(W) X 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant DC to DC

DC 2U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DG1W2-5660V3V	660W	25A	55A	25A	X	0.8A	3.5A
DG1W2-5760V3V	760W	32A	62A	32A	X	0.8A	3.5A
DG1W2-5860V3V	860W	32A	67A	32A	X	0.8A	3.5A
DG1W2-5960V3V	960W	32A	78A	32A	X	0.8A	3.5A
DG1W2-5A10V3V	1010W	32A	83A	32A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 190W

DG1W2-5660V3V
DG1W2-5760V3V
DG1W2-5860V3V
DG1W2-5960V3V
DG1W2-5A10V3V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC

STEADY-STATE CURRENT :

WATTAGE	-48VDC (-36~-72VDC)
660W	24~12AMP (21AMP AT -48VDC)
760W	24~14AMP (21AMP AT -48VDC)
860W	31~15AMP (23AMP AT -48VDC)
960W	25~16AMP (25AMP AT -48VDC)
1010W	36~17AMP (26AMP AT -48VDC)

INRUSH CURRENT :

80AMPS @ -48VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 1ms MINIMUM AT FULL LOAD & -48VDC INPUT VOLTAGE

EFFICIENCY : TYPICAL >80% @ DC-48 INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

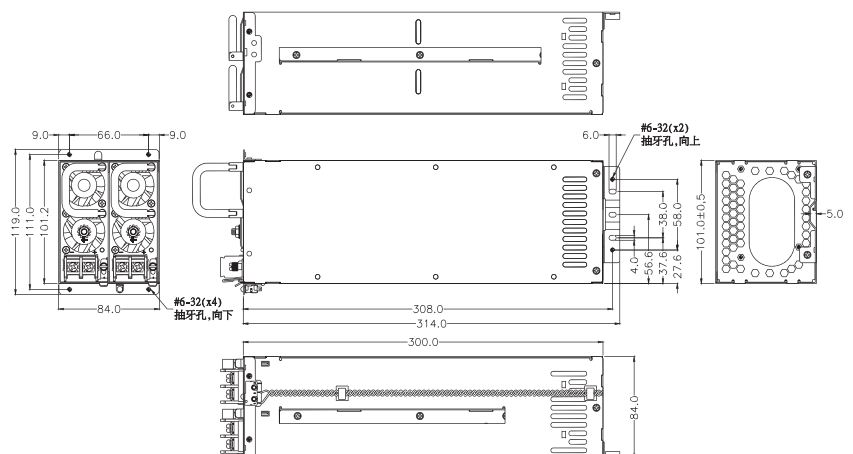
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION BUILT-IN THE POWER MODULE

3.3V / 5V REMOTE SENSING

DIMENSION : 300(D) X 101.2(W) X 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant DC to DC

DC 2U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DMTW2-5660V3V	660W	32A	50A	36A	X	0.8A	3.5A
DMTW2-5820V3V	820W	32A	67A	36A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 200W.

POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 660W / 820W

DMTW2-5660V3V DMTW2-5820V3V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72VDC

FREQUENCY :

DC

STEADY-STATE CURRENT :

25/13 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE (660W)

30/15 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE (820W)

INRUSH CURRENT :

35A MAX. @-48VDC INPUT(AT 25DEGREES AMBIENT COLD

START FOR EACH POWER UNIT)

EMI :

IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 45°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 1mS IN

REGULATION LIMIT AT -48V

EFFICIENCY(PER SET) : TYPICAL >80% AT 48VDC, 30~100% MAX LOAD

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON / OFF CONTROL

REMOTE SENSING DESIGN

BALANCE LOAD SHARING DESIGN

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION : BUILT-IN THE POWER MODULE

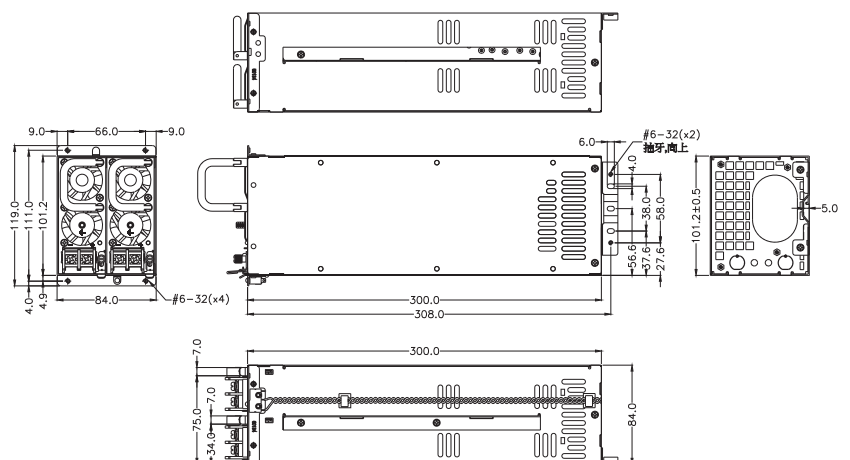
FAULTY ALARM METHODS : LED, BUZZER, TTL SIGNAL

DIMENSION : 300(D) * 101(W) * 84 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant DC to DC

DC 2U Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1L2-5600V3V	600W	32A	45A	36A	X	0.8A	3.5A
DM1L2-5650V3V	650W	32A	50A	36A	X	0.8A	3.5A
DM1L2-5700V3V	700W	32A	55A	36A	X	0.8A	3.5A
REGULATION LOAD		±5%	±5%	±5%	X	±10%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT NOT EXCEED 200W

DM1L2-5600V3V
DM1L2-5650V3V
DM1L2-5700V3V

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC, NORMAL -48VDC

STEADY-STATE CURRENT :

16/17/19 AMP @-48VDC

INRUSH CURRENT :

30A AMP @-48VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 50°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : 1 ms MINIMUM AT FULL LOAD & -48VDC INPUT VOLTAGE

EFFICIENCY : 80% TYPICAL · AT INPUT -48V FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 500ms · OFF DELAY 1ms

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

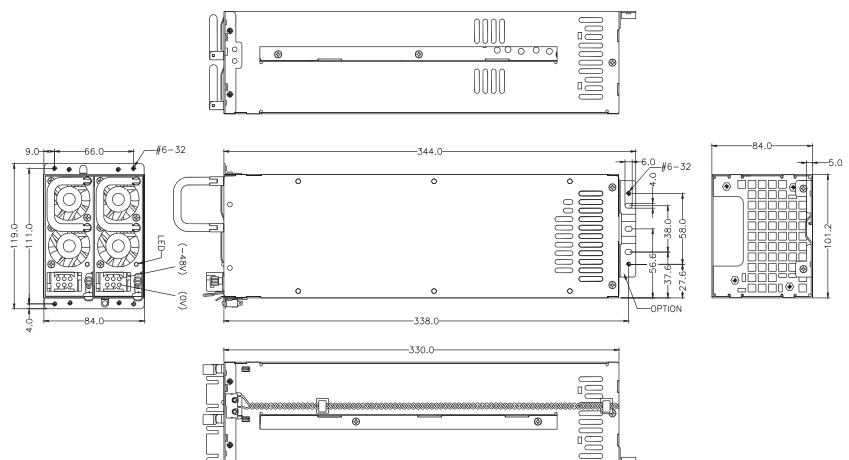
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION

3.3V / 5V REMOTE SENSING

DIMENSION : 330(D) X 101.2(W) X 84(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



2U Redundant DC to DC

DC N+1 Redundant

DC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM3W-6950F	950W	50A	60A	44A	1.2A	1.2A	3.5A
REGULATION LOAD		±5%	±6%	±5%	+5/-10%	+5/-10%	+5/-6%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	120mV	70mV

REMARKS : +5V AND +3.3V TOTAL OUTPUT MAX : 75A

DM3W-6950F

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & -48VDC INPUT VOLTAGE

EFFICIENCY : 71% TYPICAL @ DC-48 INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

3.3V / 5V REMOTE SENSING

ISOLATION

DIMENSION : 300(D) X 101(W) X 125(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC

INPUT CURRENT :

15 A (RMS) FOR - 48 VDC

STEADY-STATE CURRENT :

52/26A AT -36/-72VDC

INRUSH CURRENT :

30 A @ -48VDC

EMI :

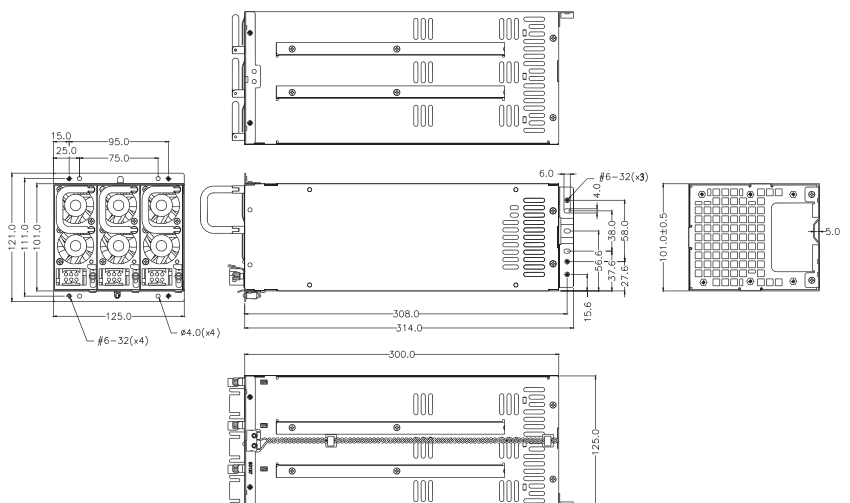
FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN6100-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

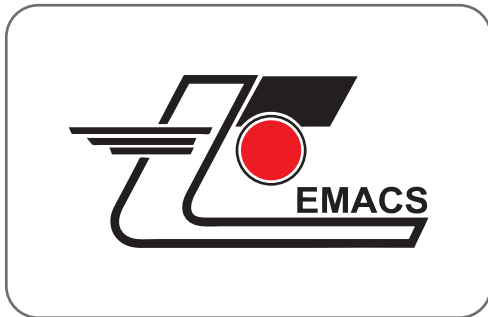


N+1 Redundant DC to DC

DC N+1 Redundant

DC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS



MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM4W-6D50F	1350W	75A	90A	67.5A	1.2A	1.2A	3.5A
REGULATION LOAD		±5%	±6%	±5%	+5/-10%	+5/-10%	+5/-6%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	120mV	70mV

REMARKS : TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 40A

DM4W-6D50F

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC

INPUT CURRENT :

15 A @ -48 VDC

STEADY-STATE CURRENT :

52/26A AT -36/-72VDC

INRUSH CURRENT :

30 A MAX.

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & -48VDC INPUT VOLTAGE

EFFICIENCY : 71% TYPICAL @ DC-48 INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

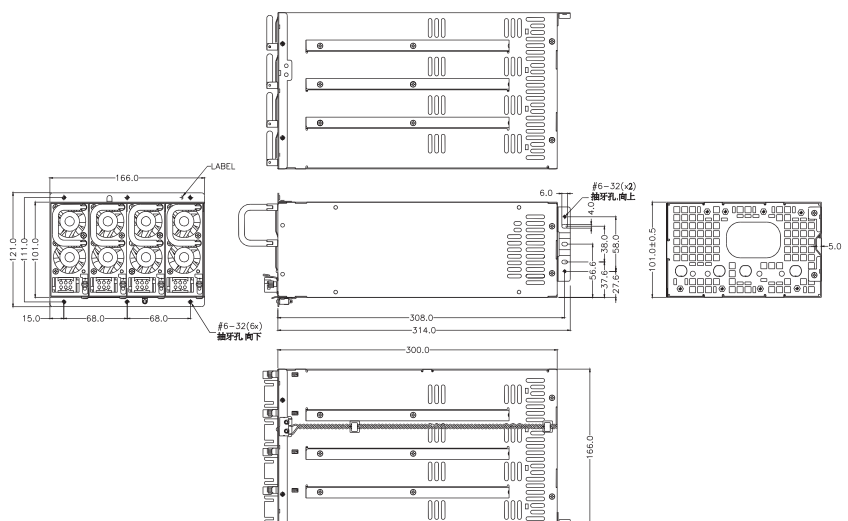
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

3.3V / 5V REMOTE SENSING

ISOLATION

DIMENSION : 300(D) X 101(W) X 166(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant DC to DC



DC N+1 Redundant

DC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DR3G-6650F	650W	60A	40A	40A	1A	1A	2.5A
REGULATION LOAD		±5%	±6%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	150mV	150mV	50mV

REMARKS : TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 70A

+5V AND +3.3V AND +12V TOTAL OUTPUT MAX : 630W



DR3G-6650F

SPECIFICATION:

TEMPERATURE RANGE : OPERATING -10°C ~40°C ,STORAGE -20°C ~80°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & -48VDC INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL @ DC-48 INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP / OCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

3.3V / 5V REMOTE SENSING

ISOLATION

DIMENSION : 300(D) X 127(W) X 82(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC, NORMAL -48VDC

INPUT CURRENT :

28A @ -48VDC

INRUSH CURRENT:

LESS THAN 10A FOR EACH MODULE

EMI :

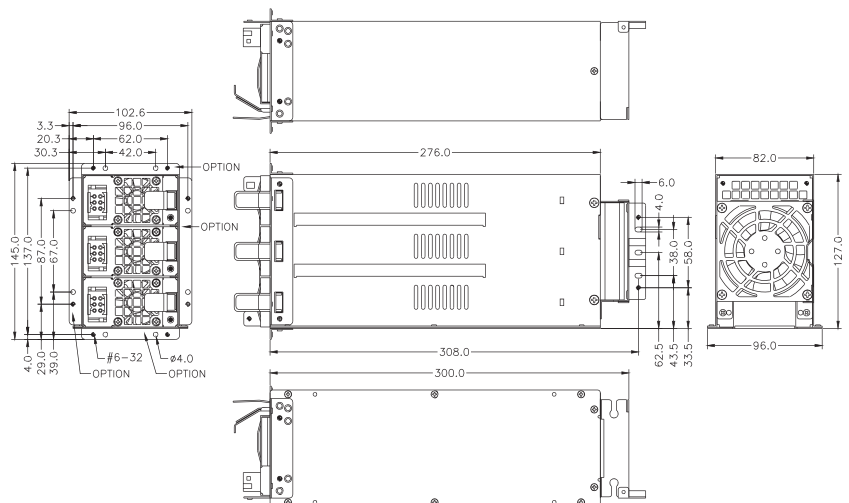
FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST



DC N+1 Redundant

HIGH EFFICIENCY
DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DPSS2-5A00V3H	1000W	22A	83A	22A	X	0.5A	4A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	70mV

REMARKS : TOTAL MAX OUTPUT OF +5V AND +3.3V NOT EXCEED 150W



DPSS2-5A00V3H

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC, NORMAL -48VDC

INPUT CURRENT :

30A @ -48VDC

INRUSH CURRENT:

10AMPS MAX @ -48VDC INPUT

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 1ms MINIMUM AT FULL LOAD & -48VDC INPUT VOLTAGE

EFFICIENCY : 83% TYPICAL @ DC-48 INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 550 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

BALANCE LOAD SHARING DESIGN

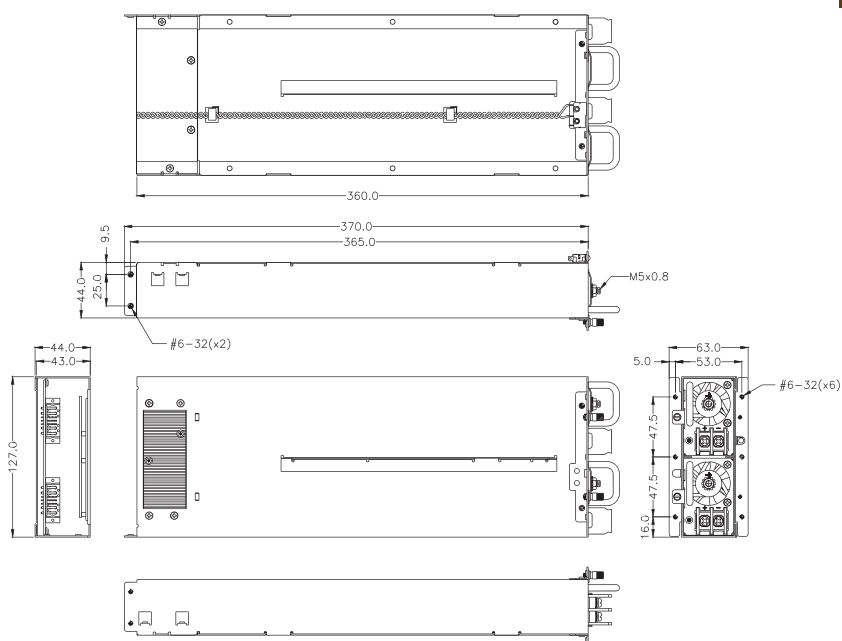
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION BUILT-IN THE POWER MODULE

DIMENSION : 360 (D) x 127 (W) x 44 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



N+1 Redundant DC to DC



DC N+1 Redundant

DC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DGIH3-6650F	650W	60A	40A	40A	1.0A	1.0A	2.5A
REGULATION LOAD		±5%	±5%	±5%	±10%	±10%	±5%
RIPPLE AND NOISE		50mV	100mV	50mV	150mV	150mV	50mV

REMARKS : THE OUTPUT POWER OF 5V & 3.3V MAX : 70A



DGIH3-6650F

SPECIFICATION:

TEMPERATURE RANGE : OPERATING : -10°C ~40°C (-36V ~-72VDC INPUT),

-10°C ~50°C (-46V~-72VDC INPUT); STORAGE : -20°C ~80°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & NORMAL INPUT VOLTAGE

EFFICIENCY : 65% TYPICAL @ -48VDC FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / SCP

BALANCE LOAD SHARING DESIGN

REMOTE ON/OFF CONTROL

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

3.3V / 5V REMOTE SENSING

ISOLATION

DIMENSION : 330 (D) x 290 (W) x 42 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

DC -36 V~ -72 V

INPUT CURRENT :

28.0 A @ -48VDC

INRUSH CURRENT:

LESS THAN 10A FOR EACH MODULE

EMI :

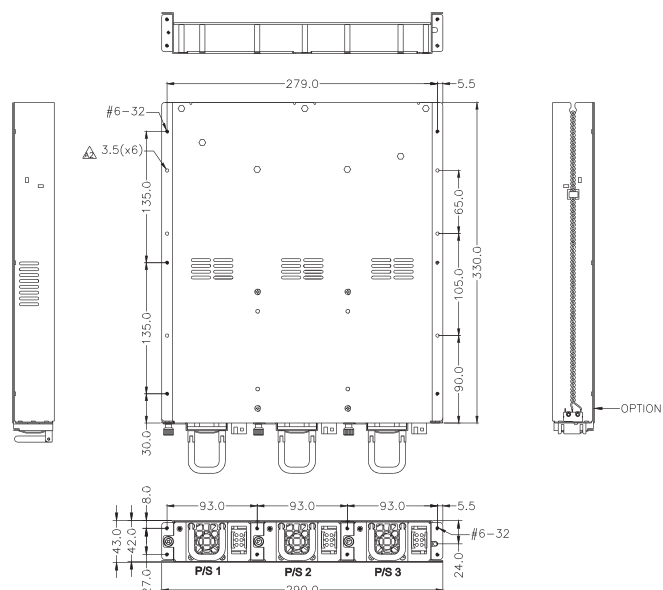
FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC, GOST



N+1 Redundant DC to DC

DC N+1 Redundant

DC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1W3-6950F	950W	50A	60A	44A	1.2A	1.2A	3.5A
REGULATION LOAD		±5%	±6%	±5%	+5/-10%	+5/-10%	+5/-6%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	120mV	70mV

REMARKS : TOTAL CURRENT OF +5V AND +3.3V NOT EXCEED 40A



DM1W3-6950F

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 40°C · STORAGE -20°C ~ 80°C

HOLD UP TIME : DC OUTPUT 5V MUST BE MAINTAIN 1.6ms IN REGULATION LIMIT AT

NORMAL INPUT VOLTAGE

EFFICIENCY : 71% TYPICAL @ DC-48 INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100ms TO 550ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

REMOTE SENSING DESIGN DESIGN

BALANCE LOAD SHARING DESIGN

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION BUILT-IN THE POWER MODULE

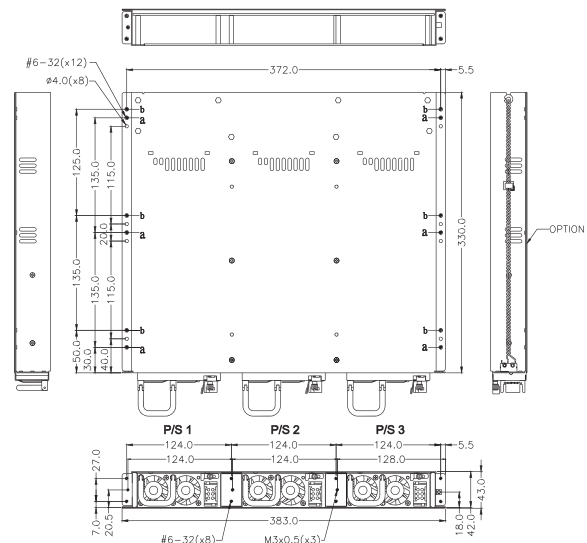
WARNING METHOD : LED, BUZZER, TTL SIGNAL

DIMENSION : 330(D) mm X 383(W) mm X 42(H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE

OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC, NORMAL -48VDC

INPUT CURRENT :

30A AT -48VDC

INRUSH CURRENT:

30A @ 48VDC

EMI :

FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST



DC N+1 Redundant

DC INPUT TO DC OUTPUT

OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DM1W4-6D50F	1350W	75A	90A	67.5A	1.2A	1.2A	3.5A
REGULATION LOAD		±5%	±6%	±5%	+5/-10%	+5/-10%	+5/-6%
RIPPLE AND NOISE		70mV	120mV	70mV	120mV	120mV	70mV

REMARKS : TOTAL CURRENT OF +5V AND +3.3V NOT EXCEED 40A



DM1W4-6D50F

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72 VDC, NORMAL -48VDC

INPUT CURRENT :

15A @ -48VDC

INRUSH CURRENT:

30A @ 48VDC

EMI :

+FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, GOST

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~40°C , STORAGE -20°C ~80°C

HOLD UP TIME : 1.6 ms MINIMUM AT FULL LOAD & -48VDC INPUT VOLTAGE

EFFICIENCY : 71% TYPICAL @ DC-48 INPUT, FULL LOAD

POWER GOOD SIGNAL : ON DELAY 100 ms TO 500 ms, OFF DELAY 1 ms

OUTPUT PROTECTION : OPP / OVP / OCP / SCP

REMOTE ON/OFF CONTROL

BALANCE LOAD SHARING DESIGN

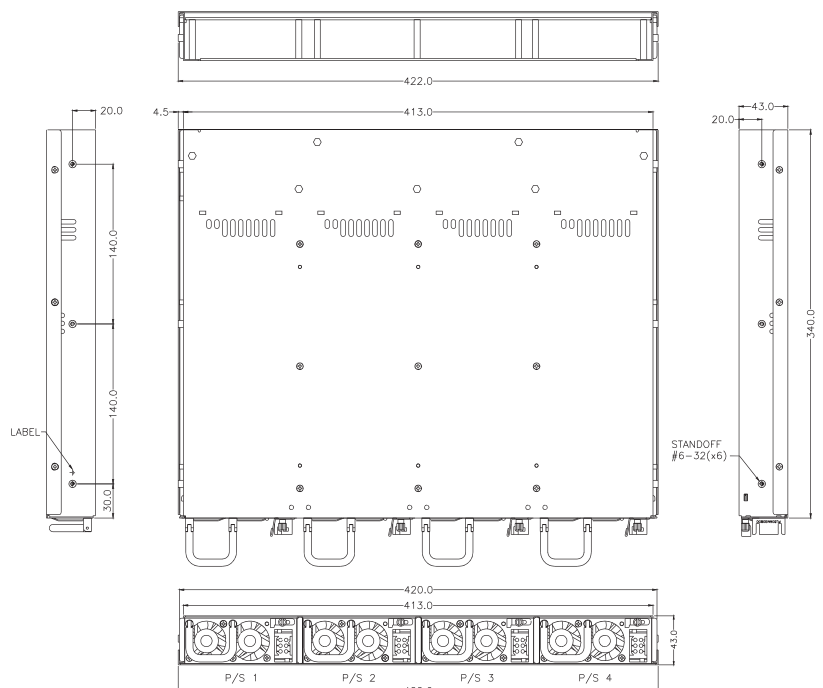
HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION BUILT-IN THE POWER MODULE

DIMENSION : 340 (D) x 422 (W) x 43 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH

CORRESPONDING EMC- AND SAFETY-REGULATIONS.



DC N+1 Redundant

DC INPUT TO DC OUTPUT



OUTPUT CHARACTERISTICS

MODEL	WATTAGE	OUTPUT					
		+5V	+12V	+3.3V	-5V	-12V	+5VSB
DMTW4-5M10V3H	2210W	86A	180A	97A	X	1.6A	7A
REGULATION LOAD		±5%	±5%	±5%	X	±5%	±5%
RIPPLE AND NOISE		50mV	120mV	50mV	X	120mV	50mV

REMARK : POWER MODULE TOTAL OUTPUT POWER OF +5V AND +3.3V NOT EXCEED 540W.

POWER MODULE TOTAL OUTPUT POWER NOT EXCEED 2210W

DMTW4-5M10V3H

SPECIFICATION:

TEMPERATURE RANGE : OPERATING 0°C ~ 45°C , STORAGE -20°C ~80°C

HOLD UP TIME : WHEN POWER SHUTDOWN DC OUTPUT 5V MUST BE MAINTAIN 1ms IN

REGULATION LIMIT AT -48V

EFFICIENCY: TYPICAL >80% AT 48VDC, 50~100% MAX LOAD

OUTPUT PROTECTION: OPP / OVP / OCP / SCP

REMOTE ON / OFF CONTROL

REMOTE SENSING DESIGN

BALANCE LOAD SHARING DESIGN

HOT-SWAPPABLE/HOT PLUGGABLE REDUNDANCY FUNCTION

ISOLATION: BUILT-IN THE POWER MODULE

FAULTY ALARM METHODS: LED, BUZZER, TTL SIGNAL

DIMENSION : 340(D) * 422(W) * 43 (H) mm

THE POWER-SUPPLY IS FOR CHASSIS-ASSEMBLY ONLY AND IS NOT ALLOWED TO BE OPERATED AS STAND-ALONE COMPONENT. FINAL ASSEMBLY HAS TO COMPLY WITH CORRESPONDING EMC- AND SAFETY-REGULATIONS.

INPUT CHARACTERISTICS:

VOLTAGE :

-36 ~ -72VDC

FREQUENCY :

DC

STEADY-STATE CURRENT :

30/15 AMPS MAXIMUM AT ANY LOW/HIGH RANGE INPUT

VOLTAGE

INRUSH CURRENT :

35A MAX. @-48VDC INPUT(AT 25DEGREES AMBIENT COLD START FOR EACH POWER UNIT)

EMI :

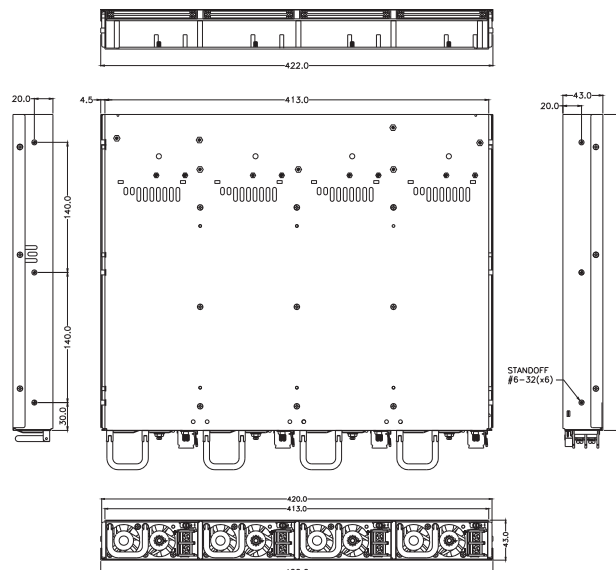
IEC61000-3-2, FCC, CISPR 22(EN 55022)

EMS :

EN 61000-4-2 ESD, EN61000-4-4 EFT, EN61000-4-5 SURGE

SAFETY :

UL, CUL, TUV, CCC











Note



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