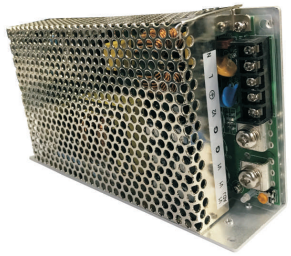
AC ➡ DC SWITCHING POWER SUPPLY

RPN1500 SERIES

All the patents are held accountable counterfeiting.

Features



CE

Green Power

- Full Range Input with PFC
- Dual output model, independent regulation
- Comply with High Efficiency Power 80Plus Criterion
- 92% High Efficiency
- Split rail & Series connection possible
- Convection cooled
- 100% burn-in test
- 2 years warranty
- Output modify range: 3V~300VDC

DIMENSIONS:190(L)*106(W)*50(H)mm

General specifications

INPUT

Input range	100~264VAC 120~380VDC
Input frequency	47~63Hz
Max. I/P current / Inrush current (25°C)	7A/20A@110VAC 2.4A/40A@220VAC
Power factor	95% Min.

OUTPUT

Hold-up time	13ms
Short protection	Re-power on to recover
Over load protection	Automatic power limited
Over temperature protection	Autorecovery

Detail specifications

500 Watts, RPN1500-12C rated 460 Watts, peak 500 Watts (30 seconds)

MODEL	O/P Volt Adj. ± %	Load(Current) 1			Ripple & Noise 4	Line REG. 2	Load REG. 3	Efficiency 5	O.V.P
		Min.	Rated	Max.					
RPN1500-12C	V : +12V ±10%	0A	38.3A	41.67A (瞬間30秒)	120mV	±1%	±1%	92% Ref.	17.1 ~ 18.9V
RPN1500-24C	V : +24V ±10%	0A	20.83A	20.83A	240mV	±1%	±1%	94% Ref.	31.4 ~ 34.7V
RPN1500-48C	V : +48V ±10%	0A	10.5A	10.5A	480mV	±1%	±1%	93% Ref.	64.6 ~ 71.4V
RPN1500-100C	V : +100V ±10%	0A	5A	5A	1000mV	±1%	±1%	93% Ref.	170 ~ 200V
RPN25001C	V1 : +12V ±10% V2 : +5V -------	0A 0A	37A 2.5A	37A 3A	120mV 50mV	±1% ±1%	±1% ±3%	93% Ref.	17.1 ~ 18.9V 5.8 ~ 7.0V
RPN25002C	V1 : +24V ±10% V2 : +5V -------	0A 0A	20.2A 2.5A	20.2A 3A	240mV 50mV	±1% ±1%	±1% ±3%	93% Ref.	31.4 ~ 34.7V 5.8 ~ 7.0V
RPN25004C	V1 : +48V ±10% V2 : +5V -------	0A 0A	10.36A 1.3A	10.36A 1.3A	480mV 50mV	±1% ±1%	±1% ±3%	93% Ref.	64.6 ~ 71.4V 5.8 ~ 7.0V
RPN25006C	V1 : +100V ±10% V2 : +5V -------	0A 0A	4.94A 1.3A	4.94A 1.3A	1000mV 50mV	±1% ±1%	±1% ±3%	93% Ref.	170 ~ 200V 5.8 ~ 7.0V

CE Standards

EN 55032, EN 55035,
EN 61000-3-2, EN 61000-3-3,
(EN 61000-4-2, EN 61000-4-3,
EN 61000-4-4, EN 61000-4-5,
EN 61000-4-6, EN 61000-4-8,
EN 61000-4-11)
Heavy Industry level, criteria A
LVD: EN 62368-1

Safety Standards

c UL us LISTED IND.CONT.EQ. 52GB E225775 — **UL 62368 Meet**

CE — **CE Marking**

Environments

Operating Temperature	-15 ~ 50°C, Ambient
Operating Humidity	20 ~ 90% RH, No Condensing
Storage Temperature	-20 ~ 85°C, Ambient
Vibration	2G, 10~500Hz, 3 axes

WEB : http://www.switching-powers.com
E-mail : rp21003f@ms7.hinet.net
Tel : 886-2-22997550
Fax : 886-2-22997596

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NOTE

1. Each output can provide up to maximum load for dual output, but total load can not exceed rated output power.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 20% to 100% of rated load at 220VAC input.
4. Ripple & Noise are measured with 20MHz oscilloscope at 220VAC by using a 20cm long 12" twisted pair-wire with a 0.1uF/630V metal capacitor & a 47uF electrolytic capacitor parallel on the test point.
5. Efficiency is measured at rated load and 220VAC input.
6. Hold-up time is measured at rated load and 220VAC input.
7. Output Voltage Adjustable is measured on 5% of rated load.
8. When using the product, we suggest keeping the temperature of the power supply enclosure below 70 °C. (It is recommended to conduct the heat to a iron or aluminum plate of 500x500mm or the same size with a thickness of 5 mm.)
9. Reign Power reserve the right to change specifications at any time without notice.

WEB : http://www.switching-powers.com
E-mail : rp21003f@ms7.hinet.net
Tel : 886-2-22997550
Fax : 886-2-22997596
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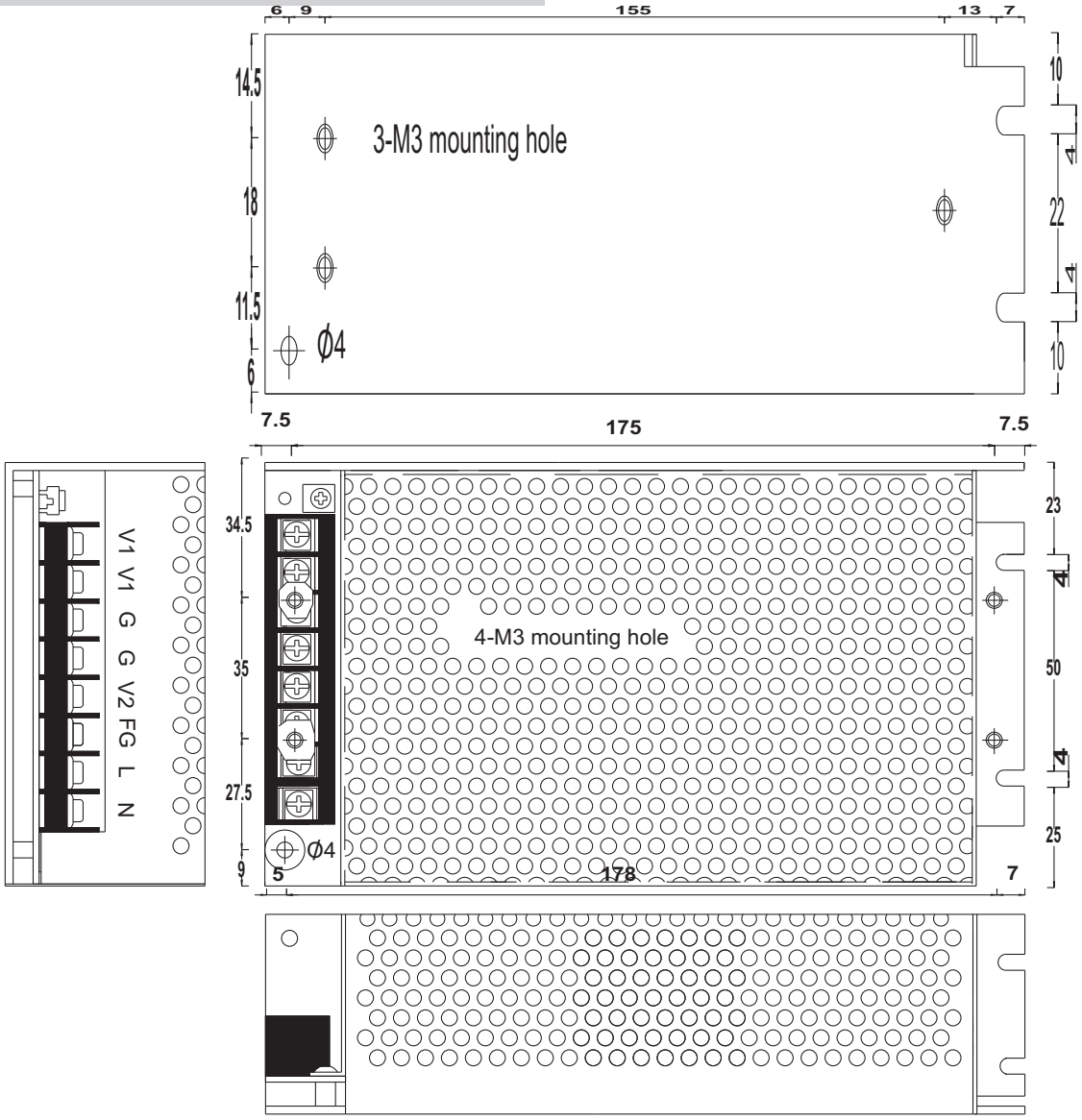
Mechanical Details



Panel Designation

PCB Barrier Terminal Block

Pin	Single	Dual	Description
1	L	L	L : Line Terminal of Input N : Neutral Terminal of Input FG : Ground (Earth) No Polarity At DC Input
2	N	N	
3	FG	FG	
4	NC	V2	NC : No connection G : DC Output Ground Terminal Vx : DC Output Terminal (Specify at spec.)
5,6	G	G	
7,8	V1	V1	

CASE NO. : CS150
UNIT : mm
DIMENSIONS : 190(L) x 106(W) x 50(H)

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