



AC → DC SWITCHING POWER SUPPLY

RPH1500 SERIES

All the patents are held accountable counterfeiting.

Features



Green Power

- Full Range Input with PFC
- Dual output model, independent regulation
- Comply with High Efficiency Power 80Plus Criterion
- 91% High Efficiency
- Split rail & Series connection possible
- Fan cooled
- 100% burn-in test
- 2 years warranty
- Output modify range: 3V~300VDC

DIMENSIONS: 199(L)*99(W)*38(H)mm

WEIGHTS: 660g

General specifications

INPUT

Input range	90~264VAC 120~380VDC
Input frequency	47~63Hz
Inrush current (25°C)	20A/110VAC 40A/220VAC
Power factor	95% Min.

OUTPUT

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

Detail specifications

500 Watts

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.					
RPH1500-12C	V : +12V ±10%	0A	42.0A	42.0A	120mV	±1%	±1%	87% Ref.	17.1 ~ 18.9V
RPH1500-24C	V : +24V ±10%	0A	20.8A	20.8A	240mV	±1%	±1%	92% Ref.	31.4 ~ 34.7V
RPH1500-36C	V : +36V ±10%	0A	13.9A	13.9A	360mV	±1%	±1%	92% Ref.	47.8 ~ 58.2V
RPH1500-48C	V : +48V ±10%	0A	10.5A	10.5A	480mV	±1%	±1%	91% Ref.	64.6 ~ 71.4V
RPH1500-100C	V : +100V ±10%	0A	5.0A	5.0A	1000mV	±1%	±1%	93% Ref.	140 ~ 165V
RPH1500-110C	V : +110V ±10%	0A	4.54A	4.54A	1100mV	±1%	±1%	93% Ref.	154 ~ 181.5V
RPH1500-125C	V : +125V ±10%	0A	4.0A	4.0A	1250mV	±1%	±1%	92% Ref.	156 ~ 175V
RPH1500-150C	V : +150V ±10%	0A	3.33A	3.33A	1500mV	±1%	±1%	93% Ref.	190 ~ 240V
RPH1500-250C	V : +250V ±10%	0A	2.0A	2.0A	2500mV	±1%	±1%	94% Ref.	310 ~ 360V
RPH25001C	V1 : +12V ±10%	0A	40.4A	42.0A	120mV	±1%	±1%	86% Ref.	17.1 ~ 18.9V 5.8 ~ 7.0V
	V2 : +5V	0A	3.0A	3.0A	40mV	±1%	±1%		
RPH25002C	V1 : +12V ±10%	0A	37.5A	42.0A	120mV	±1%	±1%	86% Ref.	17.1 ~ 18.9V 6.0 ~ 6.3V
	V2 : +5V	0A	10.0A	17.0A	40mV	±1%	±1%		
RPH25003C	V1 : +24V ±10%	0A	20.2A	20.8A	240mV	±1%	±1%	88% Ref.	31.4 ~ 34.7V 5.6 ~ 6.2V
	V2 : +5V	0A	3.0A	3.0A	40mV	±1%	±1%		
RPH25004C	V1 : +24V ±10%	0A	19.6A	20.8A	240mV	±1%	±1%	88% Ref.	31.4 ~ 34.7V 17.1 ~ 18.9V
	V2 : +12V	0A	2.5A	3.0A	120mV	±1%	±1%		
RPH25005C	V1 : +36V ±10%	0A	13.5A	14.0A	360mV	±1%	±1%	87% Ref.	47.8 ~ 53.2V 5.6 ~ 6.2V
	V2 : +5V	0A	3.0A	3.0A	40mV	±1%	±1%		



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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



UL 62368 Meet



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

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 360x360mm or the same size with a thickness of 1 mm.)
9. Reign Power reserve the right to change specifications at any time without notice.