



AC → DC SWITCHING POWER SUPPLY

RPH1120 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
- Convection cooled high reliability
- 100% burn-in test
- 2 years warranty
- Output modify range: 3V~200VDC

DIMENSIONS: 151(L)*99(W)*35(H)mm

WEIGHTS: 500g

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	Autorecovery
Over load protection	Automatic power limited

Detail specifications

100~120 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.					
RPH1100-05C	V : +5V ±10%	0A	20.0A	20.0A	60mV	±1%	±1%	83% Ref.	5.8 ~ 7.0V
RPH1120-12C	V : +12V ±10%	0A	10.0A	10.0A	120mV	±1%	±1%	89% Ref.	17.1 ~ 18.9V
RPH1120-24C	V : +24V ±10%	0A	5.0A	5.0A	240mV	±1%	±1%	91% Ref.	31.4 ~ 34.7V
RPH1120-48C	V : +48V ±10%	0A	2.5A	2.5A	480mV	±1%	±1%	92% Ref.	64.6 ~ 71.4V
RPH21201C	V1 : +12V ±10%	0A	8.75A	10.0A	120mV	±1%	±1%	87% Ref.	17.1 ~ 18.9V 5.8 ~ 7.0V
	V2 : +5V	0A	3.0A	3.0A	40mV	±1%	±1%		
RPH21202C	V1 : +12V ±10%	0A	7.08A	10.0A	120mV	±1%	±1%	86% Ref.	17.1 ~ 18.9V 5.8 ~ 7.0V
	V2 : +5V	0A	7.0A	7.0A	40mV	±1%	±1%		
RPH21203C	V1 : +24V ±10%	0A	4.38A	5.0A	240mV	±1%	±1%	89% Ref.	31.4 ~ 34.7V 5.8 ~ 7.0V
	V2 : +5V	0A	3.0A	3.0A	40mV	±1%	±1%		
RPH21204C	V1 : +24V ±10%	0A	3.75A	5.0A	240mV	±1%	±1%	88% Ref.	31.4 ~ 34.7V 17.1 ~ 18.9V
	V2 : +12V	0A	2.5A	3.0A	120mV	±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. Reign Power reserve the right to change specifications at any time without notice.



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Mechanical Details



Panel Designation

PCB Barrier Terminal Block

Pin	Single	Dual	Triple	Description
1	L	L	L	L : Line Terminal of Input N : Neutral Terminal of Input FG : Ground (Earth) No Polarity At DC Input
2	N	N	N	
3	FG	FG	FG	
4	NC	V2	V3	
5	G	G	V2	NC : No connection G : DC Output Ground Terminal Vx : DC Output Terminal (Specify at spec.)
6	G	G	G	
7	V1	V1	G	
8	V1	V1	V1	

CASE NO. : CS050

UNIT : mm

DIMENSIONS : 151(L) x 99(W) x 35(H)