

RPH1120D SERIES

All the patents are held accountable counterfeiting.

Features







Green Power

- UL508, EN 62368 approved
- Output Voltage/Current/Temperature Digital Display.
 Intelligent Detection of Output Error: Relay and LCD Alarm Flickering
- Standard/Din Rail Mounting Dual Purpose
- Easy mounting (one-step installation)
 Full Range Input with PFC
- Comply with High Efficiency Power 80Plus Criterion 91% High Efficiency
- Build-in output stability monitor
- Split rail & Series connection pose
 Convection cooled high reliability
- 100% burn-in test

DIMENSIONS:100(H)*83(D)*49(W)mm WEIGHTS: 365g

General specifications

INPUT

Input range 120~380VDC Input frequency

Max. I/P current / Inrush current (25°C) 1.46A/20A@110VAC

Power factor

0.71A/40A@220VAC

95% Min.

47~63Hz

90~264VAC

OUTPUT

Hold-up time 13ms Short protection Autorecovery Over load protection Automatic power limited 1A power ready relay contacts are built in VAT module.

Detail specifications

120 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) 1			Ripple	Line	Load	Efficiency	O.V.P
		Min.	Rated	Max.	ox Noise₄	REG.	REG.	5	U.V.P
RPH1120D-12CED	V : +12V ±10%	0A	10.0A	10.0A	120mV	±1%	±1%	88% Ref.	17.1 ~ 18.9V
RPH1120D-24CED	V : +24V ±10%	0A	5.0A	5.0A	240mV	±1%	±1%	89% Ref.	31.4 ~ 34.7V
RPH1120D-48CED	V : +48V ±10%	0A	2.5A	2.5A	480mV	±1%	±1%	91% Ref.	64.6 ~ 71.4V

Please Choose Fit Function, And Fill In The Blank With Suitable Words.

Order Model: RPH1120D-24C D

Optional Function:
Terminal Block: "B": PCB Spring Terminal Block with Voltage, Current, Temperature Monitor

"E": Mini Terminal Block with Voltage, Current, Temperature Monitor

Intelligent Monitor Alarm Instructions:

voltage alarms when output voltage value is not in the range of -10% to +10%.

Voltage LCD flickering, open circuit for relay.

**Current alarms when output urrent value is over 100%.

Current LCD flickering, open circuit for relay.

**Temperature alarms when monitor panel temperature is lower than -20 or higher than 75 degrees Celsius.

Temperature LCD flickering, open circuit for relay.

**Relay alarm is normally closed contact. (For the two contacts, short circuit when power source is normal; open circuit when power source is abnormal.)

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





CE Marking

Environments

Operating Temperature Operating Humidity Storage Temperature Vibration

Tel: 886-2-22997550

Fax: 886-2-22997596

-15 ~ 60°C, Ambient 20 ~ 90% RH, No Condensing -20 ~ 85°C, Ambient 2G, 10~500Hz, 3 axes

WEB: http://www.switching-powers.com

E-mail: rp21003f@ms7.hinet.net





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NOTE

- 1. Each output can provide up to maximum load, 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. The product uses metal enclosure for cooling. To ensure product lifespan, a clearance of at least 1 cm at the side of the product, 2 cm at top and bottom of the product should be maintained when installing.
- 9. Reign Power reserve the right to change specifications at any time without notice.

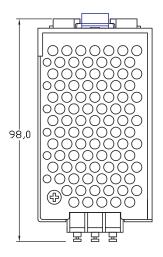


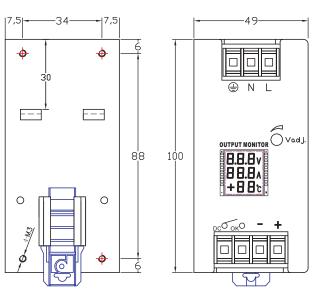


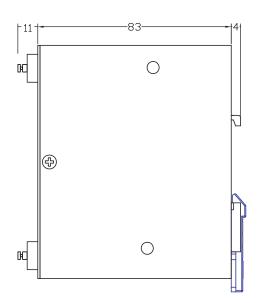


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Mechanical Details







CASE NO.: RPH1120DD

UNIT: mm

DIMENSION: 100(H)*83(D)*49(W)

MATERIAL: ALUMINUM

COLOR: ORIGINAL ALUMINUM

Panel Designation

Symbol	Description				
L	Line Terminal Of AC Input (No Polarity At DC Input)				
N	Neutral Terminal Of AC Input (No Polarity At DC Input)				
(4)	Grounding (Earth)				
+	DC Positive Output Terminal				
-	DC Negative Output Terminal				
OUTPUT MONITOR	Voltage/Current/Temperature Display				
V adj.	Potentiometer For Output Voltage				
DC OK	Contact of power functionality relay. Short-circuit is normal; Open circuit is abnormal.				

REIGNPOWER

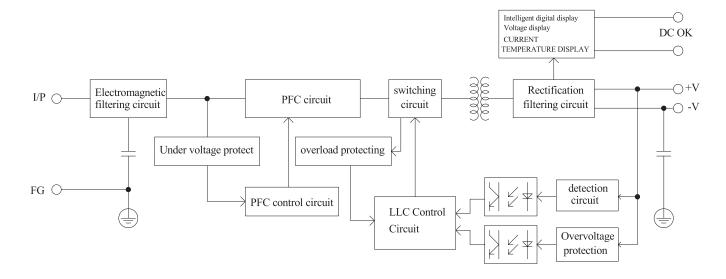


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Circuit Block Diagram

PFC frequency: 65KHz PWM frequency: 80KHz



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