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Features



Green Power

- UL508, EN 62368 approved
- 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 possible
- Convection cooled high reliability
- 100% burn-in test
- 2 years warranty
- Output modify range: 3V~200VDC

DIMENSIONS:100(H)\*83(D)\*49(W)mm

WEIGHTS: 365g

General specifications

INPUT

Input range 90~264VAC  
120~380VDC

Input frequency 47~63Hz

Max. I/P current / Inrush current (25°C) 1.46A/20A@110VAC  
0.71A/40A@220VAC

Power factor 95% Min.

OUTPUT

Hold-up time 13ms

Short protection Autorecovery

Over load protection Automatic power limited

Optional 5V/3A AUX output  
for models which output voltage lower than 40VDC

Detail specifications

120 Watts

MODEL	O/P Volt Adj. ± %	Load(Current) <sup>1</sup>			Ripple & Noise <sup>4</sup>	Line REG. <sup>2</sup>	Load REG. <sup>3</sup>	Efficiency <sup>5</sup>	O.V.P
		Min.	Rated	Max.					
RPH1120D-12CENDA	V : +12V ±10%	0A	10.0A	10.0A	120mV	±1%	±1%	88% Ref.	17.1 ~ 18.9V
RPH1120D-24CENDA	V : +24V ±10%	0A	5.0A	5.0A	240mV	±1%	±1%	89% Ref.	31.4 ~ 34.7V
RPH1120D-48CENDA	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

Optional Function:

Terminal Block: "E" : Mini Terminal Block

Monitor: " " : No Monitor ←

"D" : Monitor Display ←

Type: " " : No Display Function ←

"A" : Output Voltage Display ←

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 508 APPROVAL

CE Marking

Environments

Operating Temperature -15 ~ 60°C, Ambient

Operating Humidity 20 ~ 90% RH, No Condensing

Storage Temperature -20 ~ 85°C, Ambient

Vibration 2G, 10~500Hz, 3 axes



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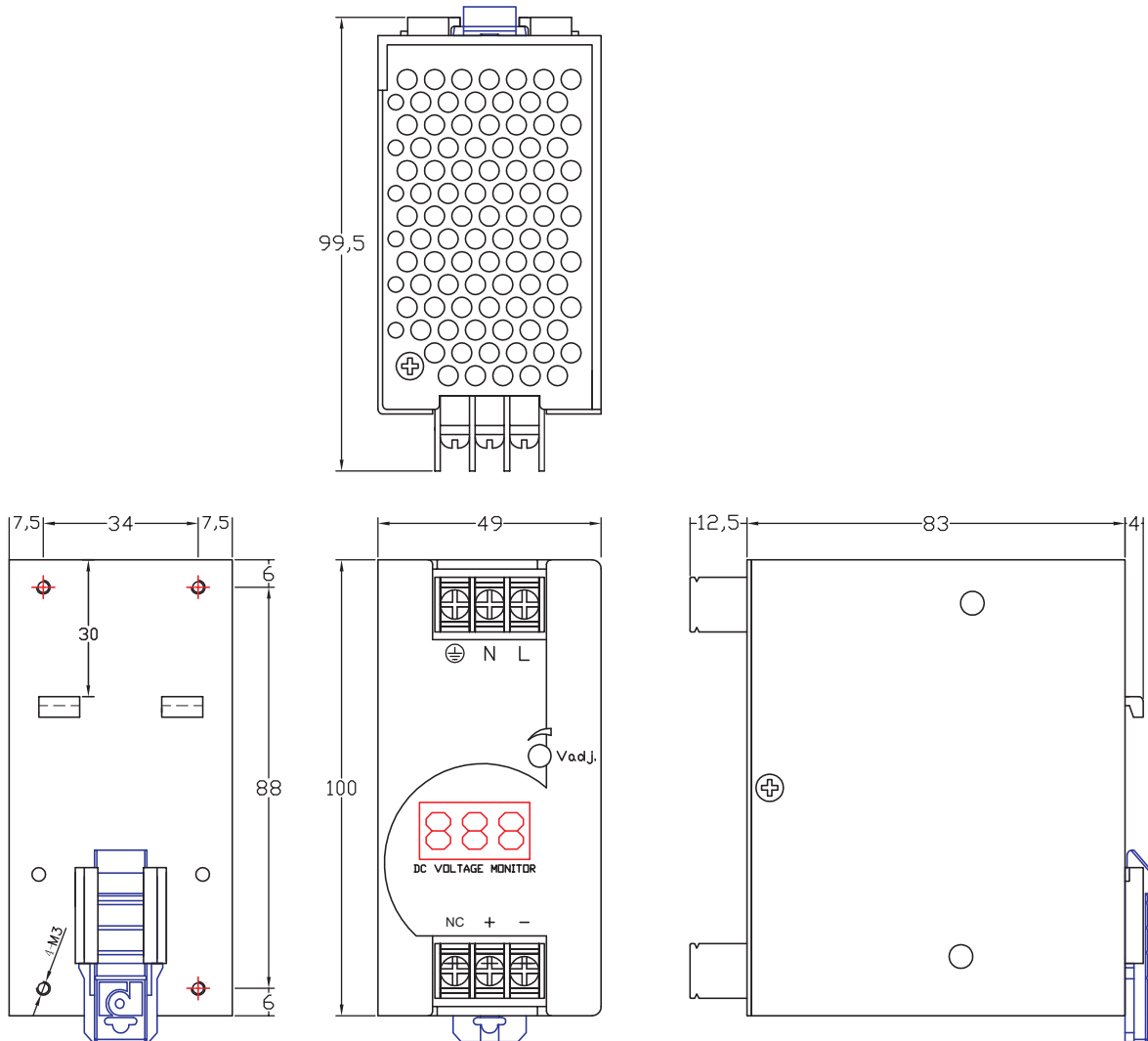
**NOTE**

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



Panel Designation

CASE NO. : CS035DR
UNIT : mm
DIMENSION : 100(H)\*83(D)\*49(W)
MATERIAL : ALUMINUM
COLOR : ORIGINAL ALUMINUM

Table with 2 columns: Symbol and Description. It lists terminals L, N, Grounding, DC Positive Output, DC Negative Output, NC, DC Voltage Monitor, and V adj. with their respective descriptions.



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**Circuit Block Diagram**

PFC frequency: 65KHz  
PWM frequency: 80KHz

