



AC → DC SWITCHING POWER SUPPLY

RP2045D SERIES

All the patents are held accountable counterfeiting.

Features



DIMENSIONS: 100(H)*83(D)*49(W)mm
WEIGHTS: 370g

- Convection cooled
- 100% burn-in test
- Easy mounting (one-step installation)
- Separation of AC and DC, Excellent of Anti-Electromagnetic interference
- RoHS & EMI test and strictness on quality
- 2 year Warranty
- Split rail & Series connection possible
- Output modify range: 3V~200VDC

General specifications

INPUT

Input range	90~264VAC 127~380VDC
Input frequency	47~440Hz
Inrush current (25° C)	20A/110VAC 40A/220VAC

OUTPUT

Hold-up time	16mS
Short protection	Autorecovery
Overload protection	Automatic power limited
Over voltage protection	Optional

Detail specifications

45 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.					
RP2045D1S	V1:+5V ±10% V2:+12V -----	0A 0A	2A 2.9A	2A 2.9A	50mVp-p 100mVp-p	±1% ±1%	±1% ±4%	72% Min.	6 ~ 7.5V -----
RP2045D2S	V1:+5.15V ±10% V2:+24V -----	0A 0A	2A 1.46A	2A 1.46A	50mVp-p 120mVp-p	±1% ±1%	±1% ±4%	73% Min.	6 ~ 7.5V -----
RP2045D3S	V1:+24V ±10% V2:-24V -----	0A 0A	0.94A 0.94A	0.94A 0.94A	120mVp-p 120mVp-p	±1% ±1%	±1% ±4%	75% Min.	28 ~ 34V -----
RP2045D4S	V1:+15V ±10% V2:-15V -----	0A 0A	2A 1A	2A 1A	120mVp-p 120mVp-p	±1% ±1%	±1% ±4%	75% Min.	17 ~ 22V -----

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)
LVD: EN 62368-1

Safety Standards



UL/CUL 60950 Meet
CE Marking

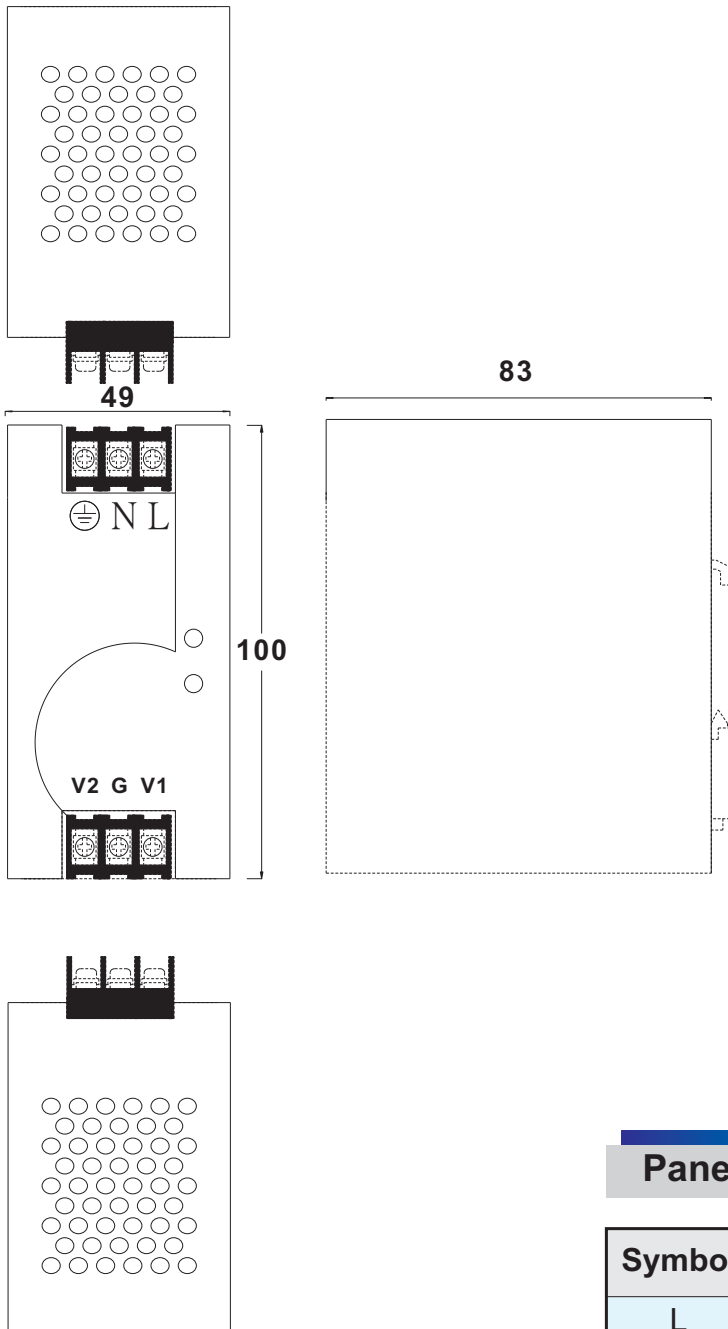
Environments

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, 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. (Redundant function Sepc. 0.6V Add.)
 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. : CS035DR
UNIT : mm
DIMENSION : 100(H)*83(D)*49(W)

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)
⊕	Grounding (Earth)
V1	DC V1 Output Terminal
V2	DC V2 Output Terminal
G	DC Output Grounding Terminal
DC ON	LED Indicator
V adj.	Potentiometer For Output Voltage