



AC → DC SWITCHING POWER SUPPLY

LP1300D SERIES

All the patents are held accountable counterfeiting.

Features



Green Power

- Din Rail / Screw Mounting Dual Purpose
- Easy mounting (one-step installation)
- Comply with High Efficiency Power 80Plus Criterion
- “ Output Voltage Monitor ” Display
- Convection cooled high reliability
- 100% burn-in test
- 2 years warranty
- Output modify range: 3V~200VDC

DIMENSIONS: 100(H)*110(D)*60(W)mm

WEIGHTS: 740g

General specifications

INPUT

Input range 90~132/180~264VAC(Selectable)
220~380VDC

Input frequency 47~63Hz

Max. I/P current / Inrush current (25°C) 5.54A/25A@110VAC
3.22A/55A@220VAC

OUTPUT

Hold-up time 13ms

Short protection Autorecovery

Over load protection Automatic power limited

Constant output current control by 0~5V terminal signal (Optional)

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

Detail specifications

300 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.					
LP1300D-24M	V : +24V ±10%	0A	12.5A	12.5A	240mV	±1%	±1%	88% Ref.	31.4 ~ 34.7V
LP1300D-36M	V : +36V ±10%	0A	8.3A	8.3A	360mV	±1%	±1%	90% Ref.	47.8 ~ 53.2V
LP1300D-48M	V : +48V ±10%	0A	6.25A	6.25A	480mV	±1%	±1%	90% Ref.	64.6 ~ 71.4V
▲● LP2300D1M	V1 : +24V ±10% V2 : +5V	0A 0A	11.88A 3A	12.5A 3A	240mV 40mV	±1% ±1%	±1% ±1%	87% Ref.	31.4 ~ 34.7V 5.8~7.0V
▲● LP2300D2M	V1 : +36V ±10% V2 : +5V	0A 0A	7.9A 3A	8.3A 3A	360mV 40mV	±1% ±1%	±1% ±1%	89% Ref.	47.8 ~ 53.2V 5.8~7.0V
▲● LP2300D3M	V1 : +24V ±10% V2 : +12V	0A 0A	11.75A 1.7A	12.5A 2A	240mV 80mV	±1% ±1%	±1% ±1%	89% Ref.	31.4 ~ 34.7V 15 ~ 18V
▲● LP2300D4M	V1 : +36V ±10% V2 : +12V	0A 0A	7.83A 1.2A	8.3A 1.2A	360mV 80mV	±1% ±1%	±1% ±1%	89% Ref.	47.8 ~ 53.2V 15 ~ 18V
▲● LP2300D5M	V1 : +48V ±10% V2 : +12V	0A 0A	5.85A 1.2A	6.25A 1.2A	480mV 80mV	±1% ±1%	±1% ±1%	90% Ref.	64.6 ~ 71.4V 15 ~ 18V

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

Order Model: LP1300D-24M

Optional Function:

Terminal Block: " " : PCB Barrier Terminal Block

Monitor: " " : No Monitor

"D" : Monitor Display

Current: " " : No constant current function

"A" : Constant current by 0~5V signal

Type: " " : No Display Function

"A" : Output Voltage Display

WEB : <http://www.switching-powers.com>
E-mail : rp21003f@ms7.hinet.net

Tel : 886-2-22997550
Fax : 886-2-22997596

REIGNPOWER
S.M.P.S



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CE Standards

EN 55032, EN 55035,
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 508 APPROVAL



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

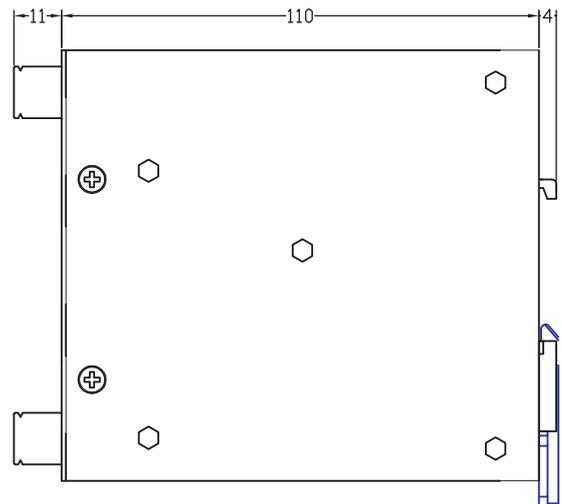
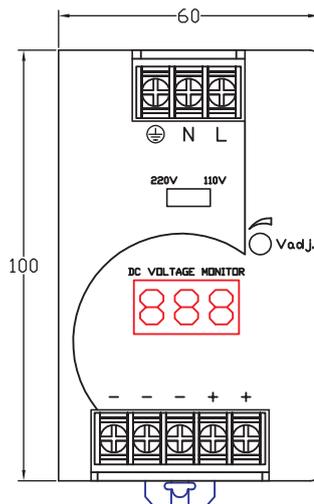
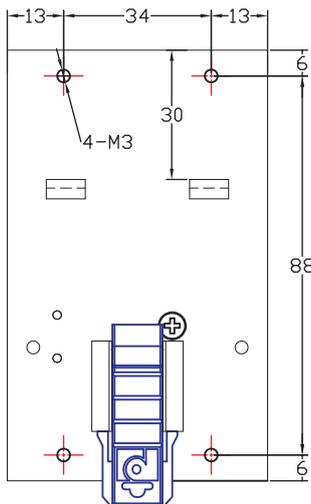
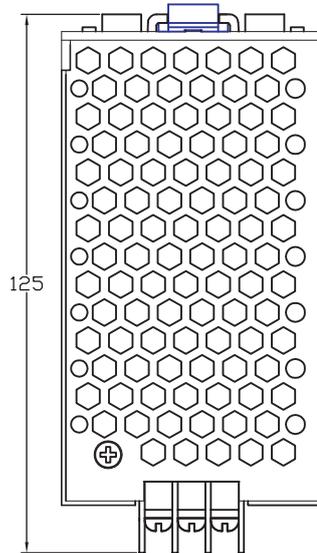
NOTE

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.
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. With ● are CE safety approval, but no UL safety approval.
8. With ▲ are no Monitor Display ONLY.
9. Output Voltage Adjustable is measured on 5% of rated load.
10. 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.
11. Reign Power reserve the right to change specifications at any time without notice.



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Mechanical Details



Panel Designation

CASE NO. : CS060DR
UNIT : mm
DIMENSION : 100(H)*110(D)*60(W)
MATERIAL : ALUMINUM
COLOR : ORIGINAL ALUMINUM

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)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
DC Voltage Monitor	Display Output Voltage
V adj.	Potentiometer For Output Voltage



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Circuit Block Diagram

Oscillation frequency: 68KHz

