



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

Inrush current (25°C) 25A/110VAC
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

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

Order Model: LP1300D-24M

Optional Function:

Terminal Block: " " : PCB Barrier Terminal Block

"E" : Mini 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

CE Standards

EN 55032, EN 55024,
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 60950-1

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

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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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. Output Voltage Adjustable is measured on 5% of rated load.
9. Reign Power reserve the right to change specifications at any time without notice.