



# AC → DC SWITCHING POWER SUPPLY

# LPS1500D SERIES

All the patents are held accountable counterfeiting.

## Features



## Green Power

- Standard/Din Rail 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:99(H)\*112(D)\*125(W)mm

WEIGHTS: 1380g

## General specifications

### INPUT

Input range 90~132/180~264VAC(Selectable)  
220~380VDC  
Input frequency 47~63Hz  
Inrush current (25°C) 20A/110VAC  
40A/220VAC

### 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

### 450~500 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.					
LPS1500D-12M	V : +12V ±10%	0A	37.5A	41.7A	200mV	±1%	±2%	85% Ref.	17.1 ~ 18.9V
LPS1500D-24M	V : +24V ±10%	0A	20.8A	20.8A	240mV	±1%	±2%	89% Ref.	31.4 ~ 34.7V
LPS1500D-36M	V : +36V ±10%	0A	13.9A	13.9A	360mV	±1%	±2%	88% Ref.	47.8 ~ 53.2V
LPS1500D-48M	V : +48V ±10%	0A	10.4A	10.4A	480mV	±1%	±2%	87% Ref.	64.6 ~ 71.4V
LPS2500D1M	V1 : +12V ±10% V2 : +5V	0A 0A	36.25A 3A	41.7A 3A	200mV 40mV	±1% ±1%	±1% ±1%	85% Ref.	17.1 ~ 18.9V 5.8~7.0V
LPS2500D2M	V1 : +12V ±10% V2 : +5V	0A 0A	34.6A 7A	41.7A 7A	200mV 40mV	±1% ±1%	±1% ±1%	85% Ref.	17.1 ~ 18.9V 5.8~7.0V
LPS2500D3M	V1 : +24V ±10% V2 : +5V	0A 0A	20.2A 3A	20.8A 3A	240mV 40mV	±1% ±1%	±1% ±1%	88% Ref.	31.4 ~ 34.7V 5.8~7.0V
LPS2500D4M	V1 : +24V ±10% V2 : +12V	0A 0A	20.0A 1.5A	20.8A 2A	240mV 80mV	±1% ±1%	±1% ±1%	88% Ref.	31.4 ~ 34.7V 15 ~ 18V
LPS2500D5M	V1 : +36V ±10% V2 : +12V	0A 0A	13.38A 1.5A	13.9A 2A	360mV 80mV	±1% ±1%	±1% ±1%	85% Ref.	47.8 ~ 53.2V 15 ~ 18V

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

Order Model: LPS1500D-24M

Optional Function:

Terminal Block: " " : PCB Barrier Terminal Block

"E" : Mini Terminal Block

Monitor: " " : No Monitor

"D" : Monitor Display

Type: " " : No Display Function

"A" : Output Voltage Display



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### 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 62368-1:2014

### 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.