



## AC → DC SWITCHING POWER MODULE

## LP300DM SERIES

All the patents are held accountable counterfeiting.

### Features



### Green Power

- Din Rail / Screw Mounting Dual Purpose
- Comply with High Efficiency Power 80Plus Criterion
- “Output Voltage Monitor” Display
- Convection cooled
- Wide input range
- 100% burn-in test
- 1 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) 20A/110VAC  
40A/220VAC

#### OUTPUT

Hold-up time 13ms  
Short protection Autorecovery  
Over load protection Automatic power limited

### Detail specifications

#### 300 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.					
LP1300D-24MDA	V : +24V ±10%	0A	12.5A	12.5A	240mV	±1%	±1%	90% Ref.	31.4 ~ 34.7V
LP1300D-36MDA	V : +36V ±10%	0A	8.3A	8.3A	360mV	±1%	±1%	90% Ref.	47.8 ~ 53.2V
LP1300D-48MDA	V : +48V ±10%	0A	6.25A	6.25A	480mV	±1%	±1%	90% Ref.	64.6 ~ 71.4V

### EMC Standards

EN 55022 CLASS A  
EN 61000-3-3,  
EN 55024 (IEC 61000-4-2,  
IEC 61000-4-3, IEC 61000-4-4,  
IEC 61000-4-5 IEC 61000-4-6,  
IEC 61000-4-8 IEC 61000-4-11)

### Safety Standards

UL <sup>C</sup> LISTED US UL 508 Certificate  
CE CE Marking

### Environments

Operating Temperature -15 ~ 50°C, Ambient  
Operating Humidity 5 ~ 95% 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 at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
5. Efficiency is measured at rated load and 220VAC input.
6. Hold-up time is measured at rated load and 220VAC input.
7. Reign Power reserve the right to change specifications at any time without notice.

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