



## AC → DC SWITCHING POWER MODULE

## LPO50DS SERIES

All the patents are held accountable counterfeiting.

### Features



### Green Power

- Standard/Din Rail Mounting Dual Purpose
- No-load Consumption is lower than 0.3W
- Comply with High Efficiency Power 80Plus Criterion
- Comply with 2010. Energy Conservation Power Erp Regulation(Except 5V)
- Convection cooled
- Wide input range
- 100% burn-in test
- 1 years warranty
- Output modify range: 3V~200VDC



DIMENSIONS:102(H)\*75.5(D)\*45(W)mm  
WEIGHTS: 230g

### General specifications

#### INPUT

Input range	90~264VAC 127~380VDC
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

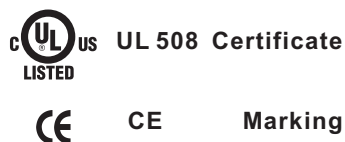
#### 40~50 Watts

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.					
LP1040D-05S	V : +5V ±10%	0A	8.0A	8.0A	50mV	±1%	±1%	81% Ref.	7.13 ~ 7.88V
LP1050D-12S	V : +12V ±10%	0A	4.2A	4.2A	120mV	±1%	±1%	85% Ref.	17.1 ~ 18.9V
LP1050D-24S	V : +24V ±10%	0A	2.1A	2.1A	240mV	±1%	±1%	86% Ref.	31.4 ~ 34.7V

#### 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



#### 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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