



AC → DC SWITCHING POWER MODULE

LP100DM 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
- “ Output Voltage Monitor ” Display
- Convection cooled
- Wide input range
- 100% burn-in test
- 1 years warranty
- Output modify range: 3V~200VDC

DIMENSIONS: 100(H)*83(D)*49(W)mm

WEIGHTS: 390g

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

100 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.					
LP1100D-12MDA	V : +12V ±10%	0A	8.3A	8.3A	120mV	±1%	±1%	85% Ref.	17.1 ~ 18.9V
LP1100D-24MDA	V : +24V ±10%	0A	4.2A	4.2A	240mV	±1%	±1%	86% Ref.	31.4 ~ 34.7V
● LP1100D-48MDA	V : +48V ±10%	0A	2.1A	2.1A	480mV	±1%	±1%	87% 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 508 Certificate



CE Marking

Environments

Operating Temperature
Operating Humidity
Storage Temperature
Vibration

-15 ~ 50°C, Ambient
5 ~ 95% RH, No Condensing
-20 ~ 85°C, Ambient
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. With ● are non-safety approval.
8. Reign Power reserve the right to change specifications at any time without notice.

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