



AC → DC SWITCHING POWER MODULE

LP100DM SERIES

Patents Held.

Features

Green Power



- Easy Din Rail mounting
- No-load Consumption is lower than 0.3W
- Compliant with High Efficiency 80Plus Criteria
- Complies with 2010 Energy Conservation Erp Regulation
- "Output Voltage Monitor" Display
- Convection cooled
- Wide input range
- 100% burn-in test
- 1 years warranty
- Output modification range 3~200VDC (specials only)

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

WEIGHTS: 365g

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 24Vdc model (LP1100D-24MDA) stocked in UK - 12Vdc model available on request

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-12M	V : +12V ±10%	0A	8.3A	8.3A	120mV	±1%	±1%	85% Ref.	17.1 ~ 18.9V
LP1100D-24M	V : +24V ±10%	0A	4.2A	4.2A	240mV	±1%	±1%	86% Ref.	31.4 ~ 34.7V
● LP1100D-48M	V : +48V ±10%	0A	2.1A	2.1A	480mV	±1%	±1%	87% Ref.	64.6 ~ 71.4V

Please choose functions, and fill in the blanks with appropriate suffix.

Order Model: LP1100D-XXM

Optional Function:

Terminal Block: " " : PCB Barrier Terminal Block ←

"E" : Mini Terminal Block ←

Motion: " " : No Monitor ←

"D" : Monitor Display ←

Type: " " : No Display Function ←

"A" : Output Voltage Display ←

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

-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. With ● do not have safety approval and are therefore not sold in UK.
8. Reign Power reserve the right to change specifications at any time without notice.

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