



AC → DC SWITCHING POWER SUPPLY

LP1050D SERIES

Patents Held

Features



Green Power

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

DIMENSIONS: 102(H) * 75.5(D) * 45(W)mm

WEIGHT: 181g

General specification

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 specification

40~50 Watts

24Vdc Model (LP1050D-24SDA) stocked in UK - 5/12Vdc models available on request

MODEL	O/P Volt Adj. ± %	Load(Current)			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	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

Please choose functions and fill in The blanks

Order Model: LP1050D-12S

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 APPROVAL



CE Marking

Environment

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 20cm long 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. Output voltage monitor display models. no-load power consumption of 1.5W. and no Energy Conservation Power Erp Regulation.
8. Reign Power reserve the right to change specifications at any time without notice.

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