



AC → DC SWITCHING POWER SUPPLY

LP1025D 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
- Convection cooled high reliability
- 100% burn-in test
- 2 years warranty
- Output modify range: 3V~200VDC

DIMENSIONS: 102(H)*35(D)*45(W)mm

WEIGHTS: 117g

General specifications

INPUT

Input range

Input frequency
Inrush current (25°C)

No Frame Ground Design

90~264VAC
127~380VDC
47~63Hz
40A/110VAC
80A/220VAC

OUTPUT

Hold-up time

Short protection

Over load protection

13ms

Autorecovery

Automatic power limited

Detail specifications

20~25 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.					
LP1020D-05S	V : +5V ±10%	0A	4A	4A	80mV	±1%	±1%	82% Ref.	7.13 ~ 7.88V
LP1025D-12S	V : +12V ±10%	0A	2.1A	2.1A	120mV	±1%	±1%	85% Ref.	17.1 ~ 18.9V
LP1025D-24S	V : +24V ±10%	0A	1A	1A	240mV	±1%	±1%	86% Ref.	31.4 ~ 34.7V
LP1025D-48S	V : +48V ±10%	0A	0.52A	0.52A	480mV	±1%	±1%	87% Ref.	64.6 ~ 71.4V

Please Choose Fit Function, And Fill In The Blank With Suitable Words.

Order Model: LP1025D-12S ☐

Optional Function:

Terminal Block: " " : PCB Barrier Terminal Block

"E" : Mini Terminal Block

CE Standards

EN 55032, EN 55035,
EN 61000-3-2, EN 61000-3-3,
(EN 61000-4-2, EN 61000-4-3,
EN 61000-4-4, EN 61000-4-5,
EN 61000-4-6, EN 61000-4-8,
EN 61000-4-11)
LVD: EN 62368-1

Safety Standards



UL 508 APPROVAL



CE Marking



Double Insulated

Environments

Operating Temperature
Operating Humidity
Storage Temperature
Vibration

-15 ~ 50°C, Ambient
20 ~ 90% RH, No Condensing
-20 ~ 85°C, Ambient
2G, 10~500Hz, 3 axes



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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 with 20MHz oscilloscope at 220VAC by using a 20cm long 12" twisted pair-wire with a 0.1uF/630V metal capacitor & a 47uF electrolytic capacitor parallel on the test point.
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 no UL safety approval.
8. Output Voltage Adjustable is measured on 5% of rated load.
9. Reign Power reserve the right to change specifications at any time without notice.

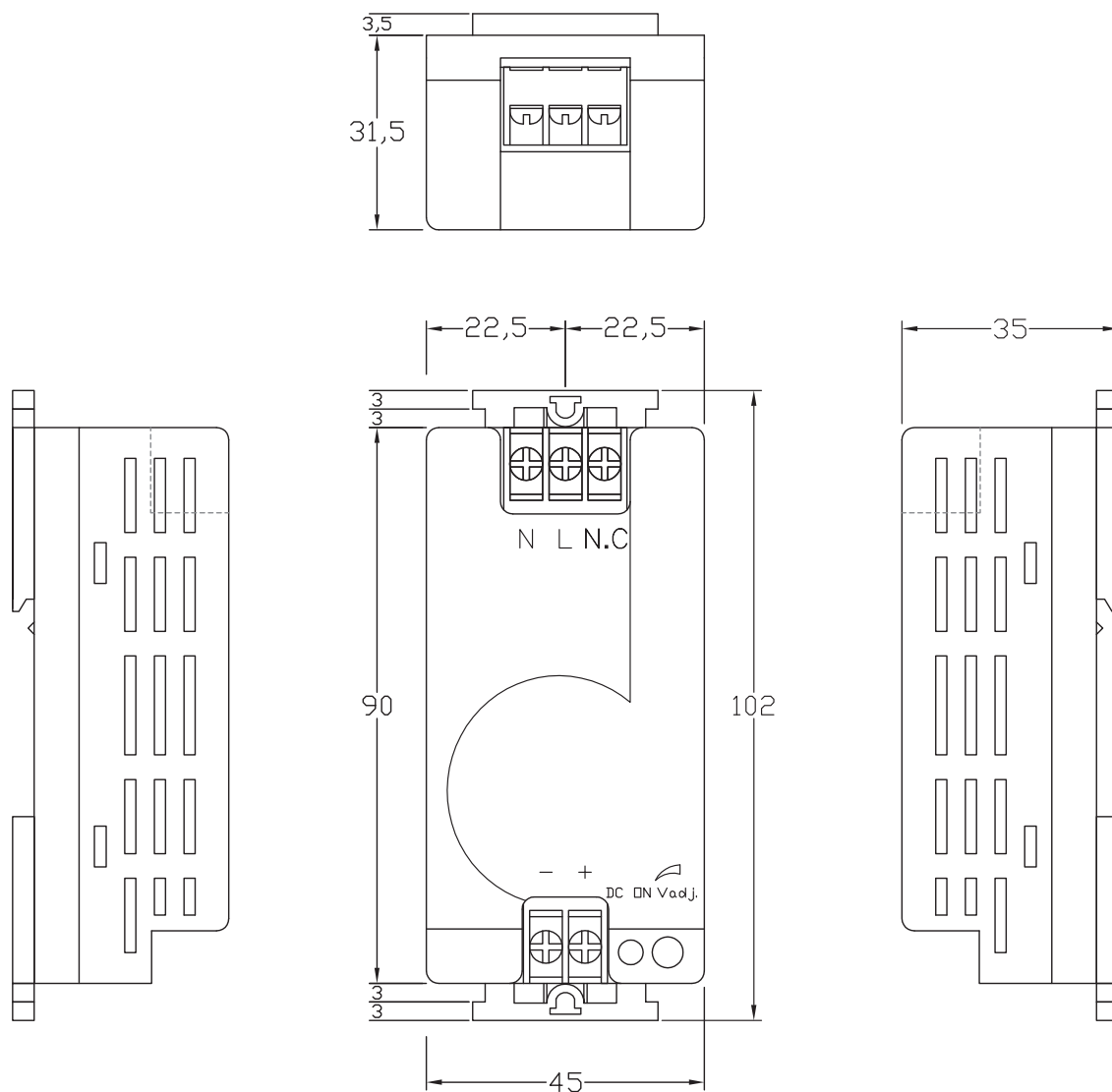


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Mechanical Details



Panel Designation

CASE NO. : CS025D

UNIT : mm

DIMENSION : 102(H)*35(D)*45(W)

MATERIAL : PLASTIC

COLOR : GRAY

Symbol	Description
N	Neutral Terminal Of AC Input (No Polarity At DC Input)
L	Line Terminal Of AC Input (No Polarity At DC Input)
N.C	No connection
-	DC Negative Output Terminal
+	DC Positive Output Terminal
DC ON	Blue LED Indicator
V adj.	Potentiometer For Output Voltage