



AC → DC SWITCHING POWER MODULE

NL1100D 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: 103(H)*74(D)*45(W)mm

WEIGHTS: 181g

General specifications

INPUT

Input range	180~264VAC 255~380VDC
Input frequency	47~63Hz
Inrush current (25°C)	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)			Ripple & Noise ⁴	Line REG. ²	Load REG. ³	Efficiency ⁵	O.V.P
		Min.	Rated	Max.					
NL1100D-05	V : +5V ±10%	0A	14A	20A (Peak 30s)	180mV	±1%	±1%	81% Ref.	7.13 ~ 7.88V
NL1100D-12	V : +12V ±10%	0A	8.3A	8.3A	180mV	±1%	±1%	83% Ref.	17.1 ~ 18.9V
NL1100D-24	V : +24V ±10%	0A	4.1A	4.1A	240mV	±1%	±1%	88% Ref.	31.4 ~ 34.7V

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

Order Model: NL1100D-24 ☐

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

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



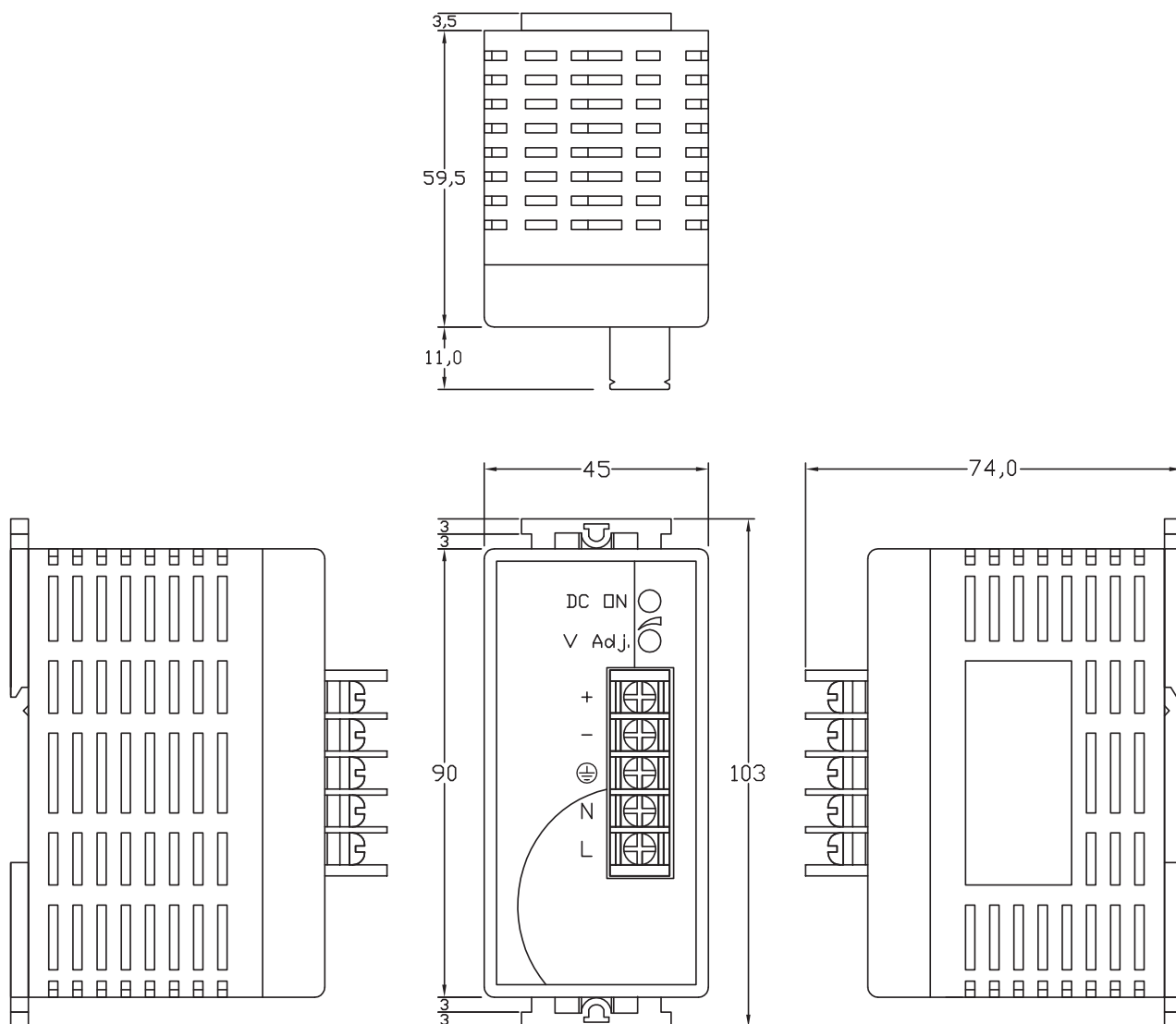
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NOTE

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 CE safety approval, but 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. : CS024DR

UNIT : mm

DIMENSION : 103(H)*74(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)
⊕	Grounding (Earth)
-	DC Negative Output Terminal
+	DC Positive Output Terminal
DC ON	Blue LED Indicator
V adj.	Potentiometer For Output Voltage