



AC → DC SWITCHING POWER MODULE

NL1480D SERIES

All the patents are held accountable counterfeiting.

Features



Green Power

- Din Rail / Screw Mounting Dual Purpose
- Easy mounting (one-step installation)
- Fan speed control
- 100% burn-in test
- 2 years warranty
- Output modify range: 3V~200VDC

DIMENSIONS: 100(H)*110(D)*60(W)mm

WEIGHTS: 560g

General specifications

INPUT

Input range	180~264VAC 200~380VDC
Input frequency	47~63Hz
Inrush current (25°C)	40A/220VAC

OUTPUT

Hold-up time	13ms
Short protection	Autorecovery
Over load protection	Automatic power limited
Optional 5V/3A AUX output	

Detail specifications

480 ~ 500 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.					
NL1480D-24	V : +24V ±10%	0A	20A	20A	240mV	±1%	±1%	84% Ref.	31.4 ~ 34.7V
NL1480D-36	V : +36V ±10%	0A	13.3A	13.3A	360mV	±1%	±1%	84% Ref.	47.8 ~ 53.2V
NL1500D-72	V : +72V ±10%	0A	6.94A	6.94A	720mV	±1%	±1%	88% Ref.	84 ~ 90V
NL2480D1	V1 : +24V ±10% V2 : +5V	0A 0A	19.3A 3A	20A(Peak 30s) 3A	240mV 40mV	±1% ±1%	±1% ±1%	82% Ref.	31.4 ~ 34.7V 5.8 ~ 7.0V
NL2480D2	V1 : +24V ±10% V2 : +12V	0A 0A	18.5A 3A	20A(Peak 30s) 3A	240mV 80mV	±1% ±1%	±1% ±1%	82% Ref.	31.4 ~ 34.7V 17.1 ~ 18.9V
NL2500D1	V1 : +72V ±10% V2 : +5V	0A 0A	6.85A 1.3A	6.85A 1.3A	720mV 40mV	±1% ±1%	±1% ±1%	88% Ref.	84 ~ 90V 5.8 ~ 7.0V

CE Standards

EN 55032, EN 55035,
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 Meet



CE Marking

Environments

Operating Temperature	-15 ~ 50°C, Ambient
Operating Humidity	20 ~ 90% RH, No Condensing
Storage Temperature	-20 ~ 85°C, Ambient
Vibration	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. Output Voltage Adjustable is measured on 5% of rated load.
8. The product uses metal enclosure for cooling. To ensure product lifespan, a clearance of at least 1 cm at the side of the product, 2 cm at top and bottom of the product should be maintained when installing.
9. Reign Power reserve the right to change specifications at any time without notice.

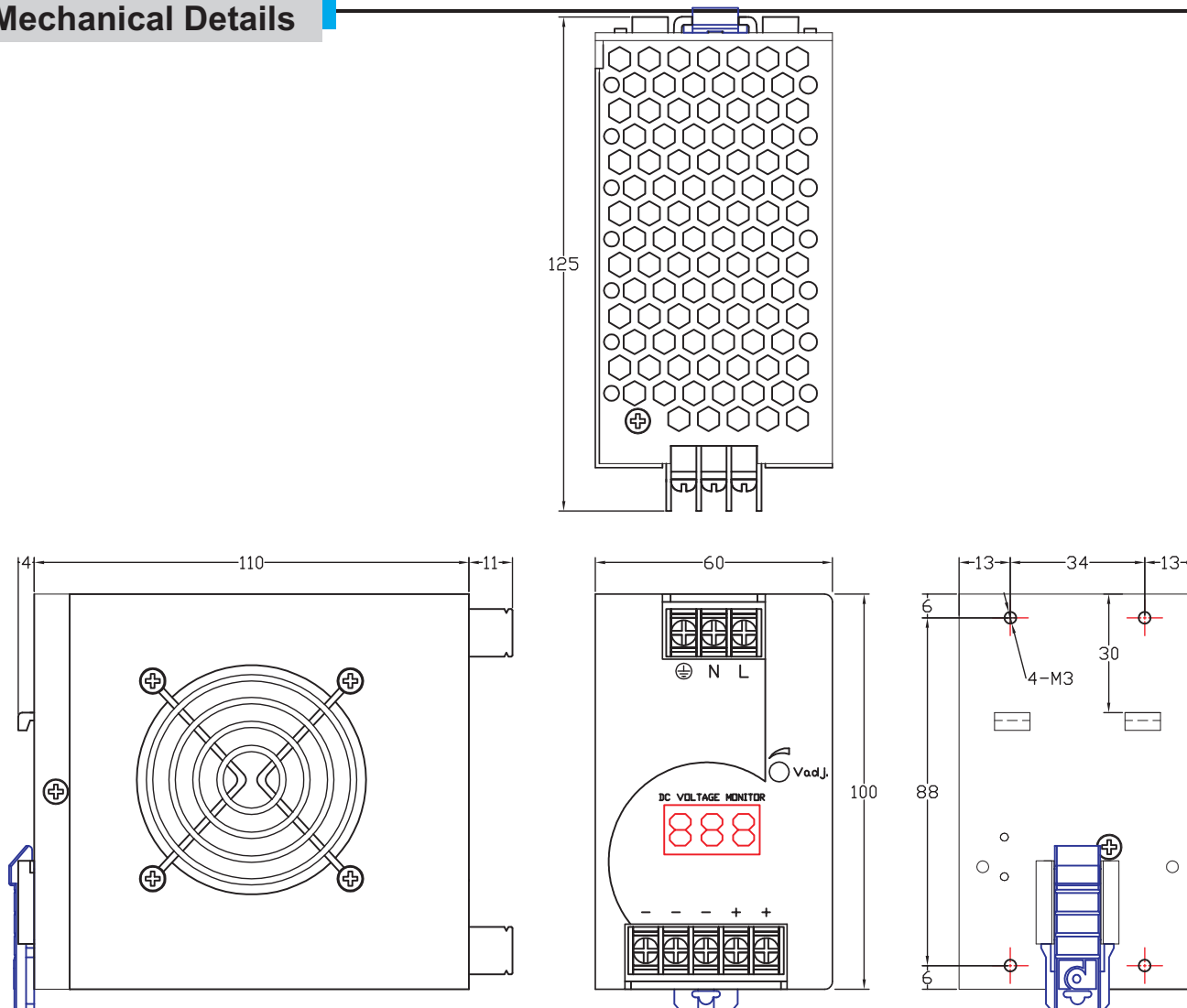


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Mechanical Details



Panel Designation

CASE NO. : CS060DR

UNIT : mm

DIMENSION : 100(H)*110(D)*60(W)

MATERIAL : ALUMINUM

COLOR : ORIGINAL ALUMINUM

Symbol	Description
L	Line Terminal Of AC Input (No Polarity At DC Input)
N	Neutral Terminal Of AC Input (No Polarity At DC Input)
⊕	Grounding (Earth)
+	DC Positive Output Terminal
-	DC Negative Output Terminal
DC Voltage Monitor	Display Output Voltage
V adj.	Potentiometer For Output Voltage