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Features



Green Power

- Standard/Din Rail Mounting Dual Purpose
- Comply with High Efficiency Power 80Plus Criterion
- Convection cooled high reliability
- 100% burn-in test
- 2 years warranty
- Output modify range: 3V~200VDC

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

WEIGHTS: 455g

General specifications

INPUT

Input range 180~264VAC
200~380VDC
Input frequency 47~63Hz
Max. I/P current / Inrush current (25°C) 2.14A/40A@220VAC

OUTPUT

Hold-up time 13ms
Short protection Autorecovery
Over load protection Automatic power limited

Detail specifications

240 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.					
NL1240D-12	V : +12V ^{+10%} -8%	0A	16.6A	20A (Peak 30s)	150mV	±1%	±1%	88% Ref.	17.1 ~ 18.9V
NL1240D-24	V : +24V ±10%	0A	10A	10A	240mV	±1%	±1%	90% Ref.	31.4 ~ 34.7V
NL1240D-48	V : +48V ±10%	0A	5A	5A	480mV	±1%	±1%	90% Ref.	64.6 ~ 71.4V
NL2240D1	V1 : +12V ^{+10%} -8% V2 : +5V	0A 0A	15.4A 3A	16.6A(Peak 30s) 3A	150mV 40mV	±1% ±1%	±1% ±1%	88% Ref.	17.1 ~ 18.9V 5.8 ~ 7.0V
NL2240D2	V1 : +24V ±10% V2 : +5V	0A 0A	9.3A 3A	10A(Peak 30s) 3A	240mV 40mV	±1% ±1%	±1% ±1%	90% Ref.	31.4 ~ 34.7V 5.8 ~ 7.0V
NL2240D3	V1 : +24V ±10% V2 : +12V	0A 0A	9A 1.7A	10A(Peak 30s) 2A	240mV 80mV	±1% ±1%	±1% ±1%	90% Ref.	31.4 ~ 34.7V 17.1 ~ 18.9V
NL2240D4	V1 : +48V ±10% V2 : +12V	0A 0A	4.6A 1.2A	5A(Peak 30s) 1.2A	480mV 80mV	±1% ±1%	±1% ±1%	90% Ref.	64.6 ~ 71.4V 15 ~ 18V

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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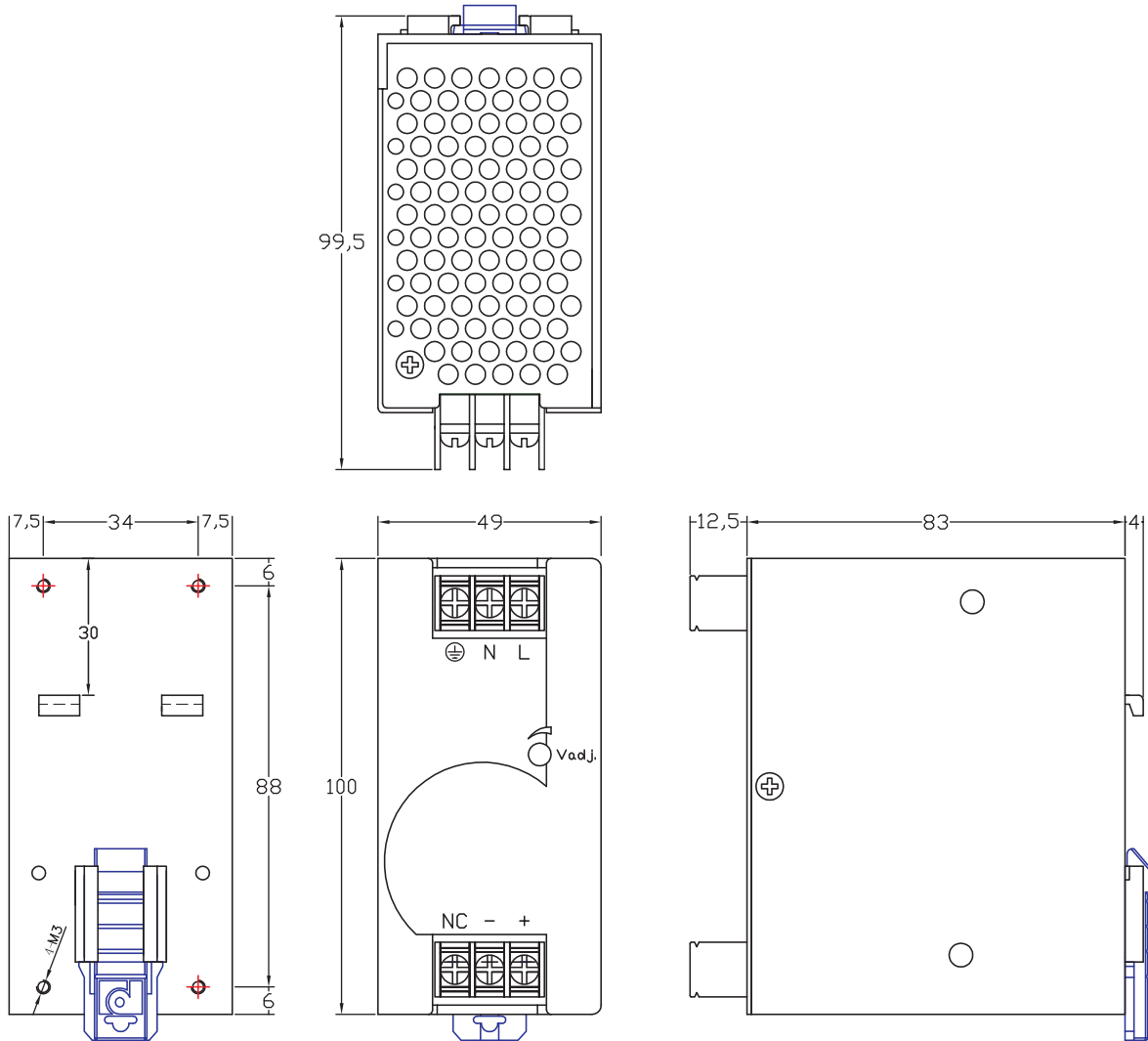
NOTE

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. : CS035DR
UNIT : mm
DIMENSION : 100(H)*83(D)*49(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
NC	No Output Terminal
DC Voltage Monitor	Display Output Voltage
V adj.	Potentiometer For Output Voltage