



AC → DC SWITCHING POWER SUPPLY

DLP1220D SERIES

All the patents are held accountable counterfeiting.

Features



Green Power

- Adjustable output voltage and LED display on the panel
- Standard/Din Rail Mounting Dual Purpose, meet EU EN 43880 installation dimension standard 4SU
- Easy mounting (one-step installation)
- Full Range Input with PFC
- Comply with High Efficiency Power 80Plus Criterion
- 91% High Efficiency
- Split rail & Series connection possible
- Fan cooling
- EN 62368 approved
- 2 years warranty
- Output modify range: 3V~200VDC

DIMENSIONS: 55.2(H)*90.7(D)*70(W)mm

WEIGHTS: 276g

General specifications

INPUT

Input range	90~264VAC 120~380VDC
Input frequency	47~63Hz
Inrush current (25°C)	35A/110VAC 70A/220VAC
Power factor	95% Min.

OUTPUT

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

Detail specifications

200 ~ 220 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. ¹					
DLP1200D-12C	V : +12V ±10%	0A	16.6A	16.6A	120mV	±1%	±1%	88% Ref.	17.1 ~ 18.9V
DLP1220D-24C	V : +24V ±10%	0A	9.2A	9.2A	240mV	±1%	±1%	90% Ref.	31.4 ~ 34.7V
DLP1220D-48C	V : +48V ±10%	0A	4.6A	4.6A	480mV	±1%	±1%	92% Ref.	64.6 ~ 71.4V

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)
Heavy Industry level, criteria A
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

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. Reign Power reserve the right to change specifications at any time without notice.

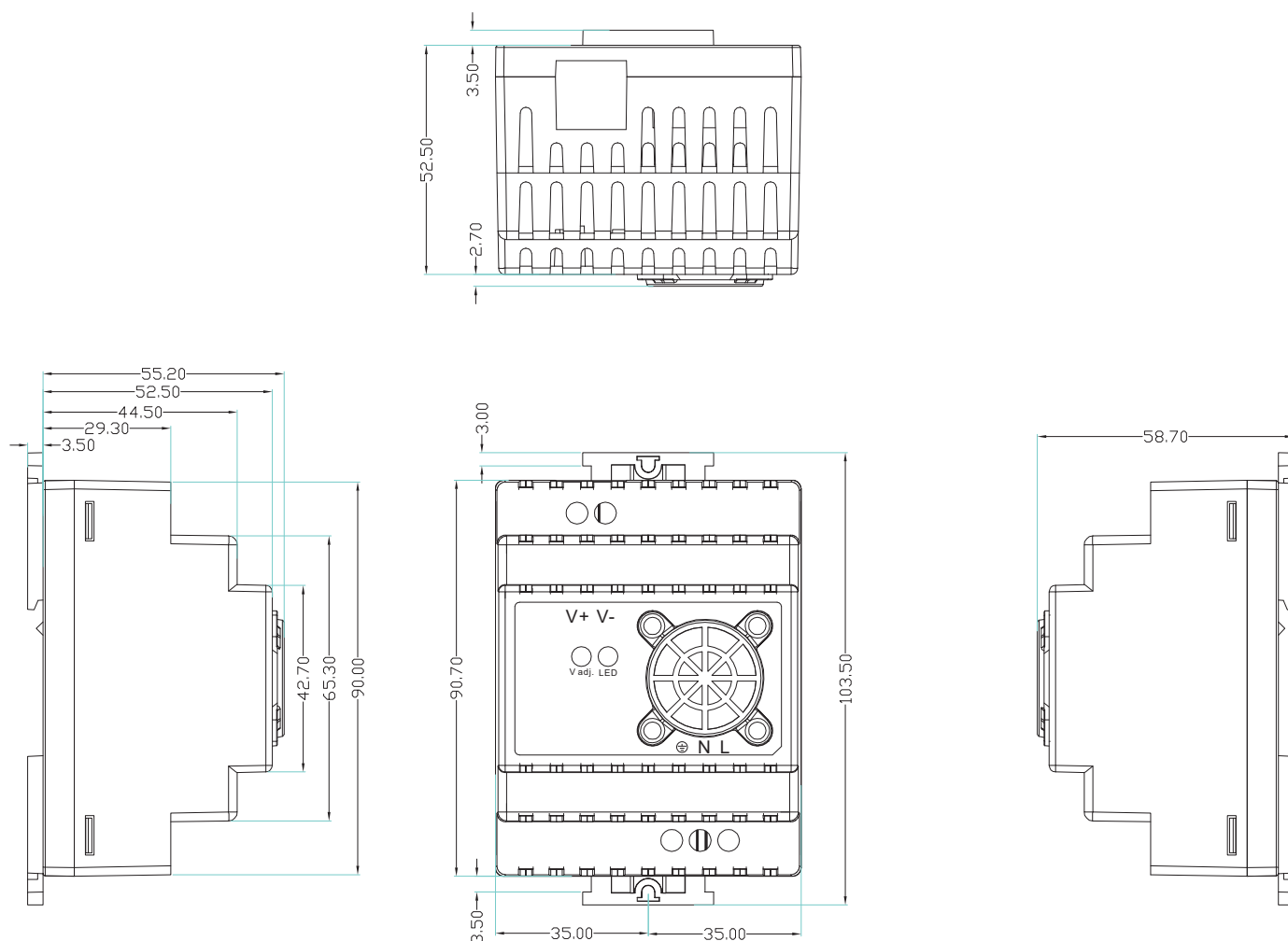


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Mechanical Details



Panel Designation

CASE NO. : DLP1220D

UNIT : mm

DIMENSION : 55.2(H)*90.7(D)*35(W)

MATERIAL : PLASTIC

COLOR : BLACK

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)
V-	DC Negative Output Terminal
V+	DC Positive Output Terminal
LED	Green LED Indicator
V adj.	Potentiometer For Output Voltage