



24W High-Performance Wall-mounted Power Supply

DC 12V 2A

Model: NPS-W112D-2A

Main Features:

- ✧ Wide AC input range: 90-264 VAC;
- ✧ Meet Energy Efficiency DOE Level VI;
- ✧ Low ripple & noise and low temperature rise;
- ✧ Short Circuit/Over-Voltage/Over-Current Protection.

Input

Input Range	90-264 VAC, 47-63 Hz
AC Current	≤ 0.8 A
Efficiency	≥ 82%
No Load Consumption	≤ 0.1 W
Leakage Current	≤ 0.7 mA

Output

Output Voltage	12 VDC (± 5%)
Rated Current	5 A
Line Regulation	± 3%
Load Regulation	± 5%
Ripple & Noise	≤ 100 mVp-p
Setup, Rise, Hold-up time	3s, 40ms, 5ms

Environment

Operating Temperature	-20°C to 50°C
Operating Humidity	RH 10% to 96% (non-condensing)
Storage Temperature	-40°C to 80°C
Storage Humidity	RH 5% to 96% (non-condensing)
Altitude	-50m to 2000m (AMSL)

Safety

Protection	Over Current / Over Voltage / Short Circuit / Surge Protection(1 kV)
Dielectric Strength(Hi-Pot)	3000 VAC / 5 mA / 1 min
Insulation Resistance	≥ 100 MΩ at 500 VDC
EMI Standard	EN55032 Class B

Reliability

Vibration	5~10~200~500 Hz sweep at shift gears for 20 mins for each axis(X, Y, Z)
Drop Test	total twice on random surface, drop height=1m, drop onto the cement surface
Steel Ball Impact Test	Ball(500g, Φ=50mm, free fall height=1.3m) impacts top &bottom surface, no crack
MTBF	≥ 50,000 hours at 25°C with full load

General

Dimension	78x80x33 mm (LxWxH)
DC Connector	DC Plug 5.5x2.1 mm
Net Weight	110 g
Gross Weight	125 g

Diagram

