



60W High-Performance Desktop Power Supply

DC 12V 5A

Model: NPS-D112D-5A-CCTV

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	≤ 1.5 A
Efficiency	≥ 87%
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	≤ 110 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 $\geq 100 \text{ M}\Omega$ 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, $\Phi=50\text{mm}$, free fall height=1.3m) impacts top & bottom surface, no crack

MTBF $\geq 50,000$ hours at 25°C with full load

General

Dimension 115x52x33 mm (LxWxH)

DC Connector DC Plug 5.5x2.1 mm

Net Weight 270 g

Gross Weight 350 g (AC power cord included)

Package List 1x Power Supply, 1x AC Power Cord

Diagram

