

Desktop Power Supply DC 24V 3.5A



Model: NPS-D124D-3.5A

Main Features:

- ✧ Wide AC input range: 90-264 VAC;
- ✧ LED indicator for power status;
- ✧ No load power consumption ≤ 0.3 W;
- ✧ Short Circuit / Over Voltage / Over Current Protection.

Input

Input Range	90-264 VAC, 47-63 Hz
AC Current	≤ 1.2 A
Efficiency	$\geq 83\%$
Inrush Current	cold start max. 30 A at 240 VAC
Leakage Current	< 3 mA at 240 VAC

Output

Output Voltage	24 VDC ($\pm 5\%$)
Rated Current	3.5 A
Line Regulation	$\pm 3\%$
Load Regulation	$\pm 5\%$
Ripple & Noise	≤ 400 mVp-p
Setup, Rise, Hold-up time	700ms, 50ms, 5ms at 230 VAC; 1000ms, 50ms, 5ms at 115 VAC

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)

Withstand Vibration	Standard: IEC 721-3-3 3M3, 5~9 Hz, A=1.5 mm; 9~200 Hz, acceleration 5 m/s ²
Transportation Vibration	Standard: IEC 721-3-2 2M2, 5~9 Hz, A=3.5 mm; 9~200 Hz, acceleration 5 m/s ² ; 200~500 Hz, acceleration 15 m/s ²

Safety

Withstand Voltage	1.5 kVAC
Insulation Resistance	≥ 100 MΩ at 500 VDC
EMC Standard	EN55032, EN61000-3-2, EN61000-3-3, EN55035

General

Dimension	136x59x40 mm (LxWxH)
DC Connector	DC Plug 5.5x2.1 mm
Net Weight	310 g
Gross Weight	490 g (AC power cord included)
Package List	1x Power Supply, 1x AC Power Cord

Diagram

