

NES-35-12 Mean Well 12VDC 3A 36W Switching Power Supply Datasheet



Brand: Mean Well

SKU: 888048218986

Category: Power Supplies & Circuit Protection

Price: \$35.99

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Product Page:

<https://www.equipspares.com/product/nes-35-12-mean-well-12vdc-3a-36w-switching-power-supply>

Product Description

Mean Well NES-35-12 99 x 97 x 36 mm 12 VDC 3 A enclosed AC/DC switching power supply is a chassis-mounted component designed for regulated voltage conversion. It features a universal AC input range of 85 to 264 VAC and a DC input range of 120 to 370 VDC. The unit is constructed with a metallic chassis for free air convection cooling and utilizes a screw terminal block interface for input and output connections. Integrated protections include hiccup mode for short circuit and overload conditions, alongside a shut-down mechanism for over voltage. The internal circuitry supports a 36 W power rating with a typical efficiency of 81 % and a ripple and noise peak of 120 mVp-p.

NES-35-12 Specifications

Model: NES-35-12

Brand: Mean Well

Category: Enclosed AC/DC Switching Power Supply

DC Voltage: 12 VDC

Rated Current: 3 A

Current Range: 0 to 3 A

Rated Power: 36 W

Ripple and Noise (max.): 120 mVp-p

Voltage Adjustment Range: 10.8 to 13.2 VDC

Voltage Tolerance: ± 1.0 %

Line Regulation: ± 0.5 %

Load Regulation: ± 0.5 %

Setup, Rise Time: 500 ms, 30 ms / 230 VAC

Hold Up Time (typ.): 50 ms / 230 VAC

Input Voltage Range: 85 to 264 VAC / 120 to 370 VDC

Input Frequency Range: 47 to 63 Hz

Efficiency (typ.): 81 %

AC Current (typ.): 0.75 A / 115 VAC, 0.5 A / 230 VAC

Inrush Current (typ.): 45 A / 230 VAC

Leakage Current: < 2 mA / 240 VAC

Overload Protection: 110 to 150 % rated output power

Over Voltage Protection: 13.8 to 16.2 V

Working Temperature: -20 to +60 °C

Working Humidity: 20 to 90 % RH non-condensing

Storage Temperature: -40 to +85 °C

Storage Humidity: 10 to 95 % RH

Temperature Coefficient: ± 0.03 % / °C (0 to 45 °C)

Vibration: 10 to 500 Hz, 2 G 10 min / 1 cycle, 60 min each along X, Y, Z axes

Safety Standards: UL60950-1, CB, CE approved

Withstand Voltage: I/P-O/P: 3 kVAC, I/P-FG: 1.5 kVAC, O/P-FG: 0.5 kVAC

Isolation Resistance: I/P-O/P, I/P-FG, O/P-FG: 100 M Ohms / 500 VDC / 25 °C / 70 % RH

Dimensions: 99 x 97 x 36 mm (L*W*H)

Weight: 0.3 kg

NES-35-12 Applications

Primary applications include integration into industrial automation control systems, LED signage power distribution, and telecommunications equipment racks. Deployed within security monitoring hardware and small-scale electronic test benches requiring regulated 12 VDC voltage.

Supplemental Images

