



PS-48

Power Supply 48 Volts DC, 36 Watts, Wall Plug-In For Ethernet PoE and PoE+ Applications

SPECIFICATIONS:

Input:

Input Voltage Range..... 85-264 VAC
Input Current 0.8@115VAC, 0.45@ 230VAC
Input Frequency 47-63 Hz
Connections Screw Down Terminal Block

Output:

Output Voltage48 VDC +/- 1%
Output Current..... 0.75 Amax
Output Power 0 to 36 Watts
Ripple & Noise..... 240 mVpp
Short Circuit Protection
Over Voltage Protection
Overload Protection
Connections Screw Down Terminal Block

Environmental:

Operating Temperature20°C to +55°C
-Derate from 55 °C0.95 W/°C to 70°C
Operating Humidity.....20-95% (non-condensing)
Storage Temperature-40°C to 85°C
Vibration..... 2 g, 10 Hz to 500 Hz, along X, Y & Z axis
Size3.1x2.1x1.3in (LxWxH)
MTBF692 khrs

EMC & Safety:

Emissions
• EN55022
Immunity
• EN61000-4-2, 3, 4, 5, 6, 8, 11,
• EN55024, EN61000-6-2, EN61204-3
Safety Approvals
• EN60950-1, UL508

Energy Efficiency:

Level VI

Ordering information:

PS-48-US



The American Fibertek PS-48 is a wall plug-in 36 Watt power supply capable of operating over the temperature range of -20°C to +50°C (with derating up to 70°C). The PS-48 is targeted for use with the AFI Series 46/48 Ethernet Media Converters and will support both PoE(15 Watts) and PoE+(30 Watts) requirements.

This power supply is a class II power unit equipped with a 2 pin US AC power plug.

With the efficiency up to 90% and extremely low no-load power consumption below 0.075 Watts, the PS-48D is compliant with the USA EISA 2007/DoE and Canada NRCan.