



PS-48120D

Power Supply 48 Volts DC, 120 Watts, Extended Temperature Range

SPECIFICATIONS:

Input:

Input Voltage Range (switch selectable).....88-264 VAC
Input Current.....1.4@115VAC, 1.0@ 230VAC
Input Frequency.....47-63 Hz
Connections.....Screw Down Terminal Block

Output:

Output Voltage.....48 VDC +/- 1.0%
Output Current.....2.5A max
Output Power (to 50°C).....0 to 120 Watts
Output Power (to 60°C).....0 to 72 Watts
Ripple & Noise.....100 mVpp
Over Voltage Protection
Overload Protection
Connections.....Screw Down Terminal Block

Environmental:

Operating Temperature..... -10°C to 60°C
-Derate from 50 °C..... 4.8 W / °C to 60°C
Operating Humidity.....20-95% (non-condensing)
Storage Temperature..... -20°C to 85°C
Vibration..... 2 g, 10 Hz to 500 Hz, 10min/cycle, X, Y & Z axis
MTBF.....136 khrs
Dimensions.....2.5"x5.0"x4.0", 65.5x125.2x100mm

EMC & Safety:

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

Ordering information:

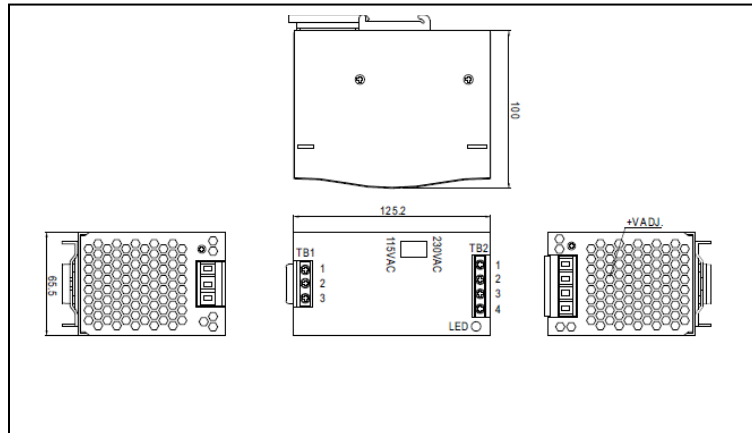
PS-48120D (line cord included)



The American Fibertek PS-48120D is a fully enclosed 48VDC, 120W "DIN" power supply capable of operating over the extended temperature range of -10°C to +60°C (see derating).

The PS-48120D 48VDC power supply has a universal AC input range of 88~264VAC. A front panel switch selects 115VAC or 230VAC. The input /output connections are screw down terminal blocks..

This power supply is DIN RAIL mountable compatible with DIN RAILS TS35/7.5 or TS35/15. A front panel LED power on indicator is available.



Terminal Pin No. Assignment (TB1)

| Pin No. | Assignment |
|---------|------------|
| 1 | FG Ⓢ |
| 2 | AC/N |
| 3 | AC/L |

Terminal Pin No. Assignment (TB2)

| Pin No. | Assignment |
|---------|--------------|
| 1,2 | DC OUTPUT +V |
| 3,4 | DC OUTPUT -V |

3/15/2015JPK