PS62
Power Supply 13.6 VDC at 2.8 Amps

The PS62 is a high reliability, universal AC input/full range power supply with overload, overvoltage and short circuit protection. It provides 13.6 VDC output at 2.5 Amps from -40° to 158°F (-40° to 70°C). The PS62 can be mounted indoors or mounted outdoors in a weatherproof enclosure. It is DIN Rail mountable with TS35/7.5 or TS35/15. The input AC and output DC wiring are connected to a terminal strip. Unit dimensions are 4.53 inches (115mm) L x 1.59 inches (40.38mm) W x 3.60 inches (90mm) H. The unit weighs .33 pounds (150g).

Specifications:

Input

- AC input: 85-246 VAC
- Input frequency: 47-63Hz
- Input Current: 0.56A (115 VAC), 0.33A (230 VAC)
- Inrush current: 20A/115V, 40A/230V
- Earth leakage current: 0.8mA max
- Power Factor: EN61000-3-2, class A
- Input Protection: Internal fuse T2A, 250 VAC fitted line

Output

- Output voltage: 12.0 – 14.0 VDC
- Line regulation: ± 0.5% max
- Load regulation: ± 0.5% max
- Overload protection: 110-150% power limited
- Overvoltage protection: Output clamps at 120-145% Vnom, auto recovery
- Ripple & Noise: 50mv peak-peak, 20MHz bandwidth
- Start Up Rise time: <150ms
- Hold up time: 20/30ms at 115/230 VAC
- Short Circuit Protection: Power limited, auto recovery

Environmental

- Operating temperature & humidity: -40° to 158°F (-40° to 70°C), 95% RH (non condensing)
- Storage temperature & humidity: -40° to 185°F (-40° to 85°C), 95% RH (non condensing)
- Cooling method: Convection with 1 inch (25mm) free space all sides

EMC & Safety

- Approvals: UL (C/US), TUV, CE, RoHS compliant
- Safety standards: UL60950, EN60950-1, UL508, UL1310, SEMI F47, ANSI/ISA 12.12.01
- EMC standards: EN55022 class B, EN61000-3-2, 3, EN61000-4-2, 3, 4, 5, 6, 8, 11
*DC OK not used.