

# 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

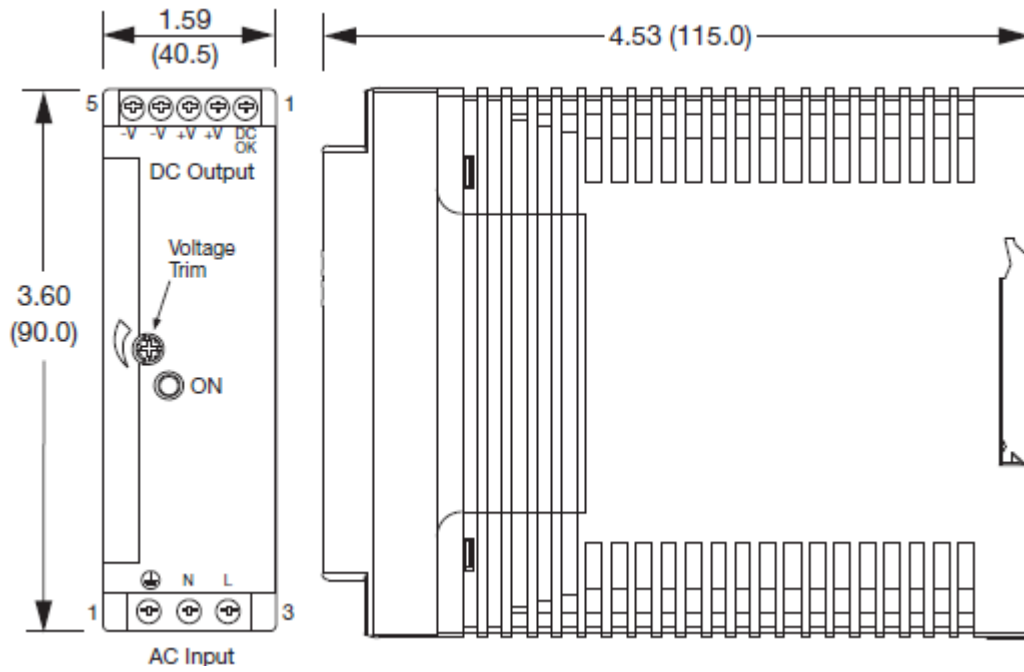
Output voltage.....	12.0 – 14.0 VDC
Line regulation.....	± 0.5% max
Load regulation.....	± 0.5% max
Overload protection.....	110-150% power limited
Overvoltage protection.....	Output clamps at 120-145% Vnom, auto recovery
Ripple & Noise.....	50mv peak-peak, 20MHz bandwidth
Start Up Rise time.....	<150ms
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



Conn	Pin	Designation
AC Input	1	Ground
	2	Neutral
	3	Line
DC Output	1	DC OK*
	2	Positive
	3	Positive
	4	Negative
	5	Negative

\*DC OK not used.