

PRODUCT PROFILE # 549

PS13

Power Supply 13.6 VDC at 2.8 Amps

The PS13 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 2.8 Amps from 14° to 122°F (-10° to 50°C). The PS13 is intended for indoor use or to be mounted in a ventilated box if used outdoors. A heater may be required for temperatures lower than 14° (-10°C). The input AC and output DC wiring are connected to a terminal strip. Unit dimensions are 5.08 inches (129mm) L x 3.36 inches (98mm) W x 1.57 inches (40mm) H. The unit weighs 1.1 pounds (0.5kg).

Specifications:

AC input.....	85-246VAC
Input frequency.....	47-63Hz
Inrush current.....	cold start, 20A/115V, 40A/230V
Input leakage current.....	<0.7mA/230VAC
Line regulation (full load).....	<= 0.5%
Output voltage and adjust range.....	13.6VDC +/- 10%
Output overload protection.....	110-150%
Output overvoltage protection.....	115-150%
Withstand voltage.....	I/P – O/P: 3.0KVAC/1min I/P – F/G: 1.5KVAC/1min O/P – F/G: 0.5KVAC/1min
Ripple noise.....	100mv maximum
Rise time.....	50ms @ full load (typical)
Hold up time.....	20ms @ full load (typical)
Operating temperature & humidity.....	14° to 122°F (-10° to 50°C), 20% to 93% RH (non condensing)
Storage temperature & humidity.....	-4° to 185°F (-20° to 85°C), 20% to 93% RH (non condensing)
Approvals.....	UL, ETS, EMC, CE, RoHS compliant
Safety standards.....	GB4943, UL60950, EN60950
EMC standards.....	GB9254, EN55022 class B, EN55024, EN61 000-3-2, 3, EN61 000-4-2, 3, 4, 5, 6, 8, 11
Cooling method.....	convection

