

# IMARK

## PRODUCT DESCRIPTION



### PS80 POWER SUPPLY

240V AC - 13.8V DC 8 Amp (50% Duty) Regulated Power Supply

Imark Stock # [602268](#)

#### Features:

- 4 Amps Continuous Duty
- 8 Amps 50% Rated Duty
- Fold-Back Current Protection
- Over Voltage Protection
- Linear Design for Reliability
- Indicators for "AC ON", "DC ON/OFF", & "Output OK"
- ON/OFF Switch

#### DESCRIPTION:

The IMARK PS80 Regulated Power Supply operates from a 240 Volt AC power source and provides a 13.8 Volt DC output to operate 12 Volt (nominal) equipment. The PS80 Power Supply includes over voltage protection, fold-back current protection, and short circuit protection. Large filter capacitors provide a low noise output, while SMT components are utilised to provide reliability and longevity.

The IMARK PS80 Power Supply features a linear design and operates at greater than 50% efficiency. It provides 8 Amps peak output power (or 4 Amps continuous duty output) at 13.8 Volts DC. The design is compact and includes a rugged all metal housing. The housing is 2mm aluminium extrusion to provide excellent heat dissipation. Binding Posts are mounted on the front panel for ease of connection and threaded fasteners and screws are used throughout to provide a professional appearance and for ease of maintenance.

The PS80 are supplied with an operator's manual and a 1.8 metre AC Cable that plugs into the IEC socket on the rear panel during installation.

SPECIFICATIONS:	
Input Voltage	240 Volts AC 50Hz (nominal), (Other Voltages available on request)
Output Voltage	13.8 ( $\pm 5\%$ ) Volts DC (11-15 Volts DC Internally Adjustable)
Peak Current	9 Amps @ 25°C
Rated Output Current (50% Duty)	8 Amps
Rated Output Current (100% Duty)	4 Amps
Output Ripple	100mV (p-p) maximum at rated output
Conducted Emissions	Meets AS/NZS 1044
Operating Temperature Range	0 to 50°C
Unit Dimensions	160(W) x 235(D) x 88(H) mm (excluding AC Cable & Protrusions)
Shipping Dimensions	175(W) x 305(D) x 115(H) mm
Unit Weight:	4.5 Kilograms
Shipping Weight:	4.8 Kilograms
Inclusions	AC Cable, Operators Manual
Approvals	Q99434, AS/NZS 1044, AS 3108 (Stationary)
Imark Stock #	602268
Options	Other AC voltages