

Military-grade extrusion ensures a high tolerance for shock and vibration

Low EMI

Color coded output terminals

Rugged and reliable

Visual indicators for operation and errors



3 YEAR WARRANTY



### PWS1505 AC SOURCE POWER SUPPLIES

The PWS1505 Power Supply provides up to 1500 watts continuous and 1800 watts intermittent to power one or more loads from a 110 or 220 VAC source. Two positive and two negative output connections are provided for easy connection to multiple devices. The recently updated single board design incorporates state of the art switch- mode technology for unmatched efficiency and ultra-quiet operation. Multiple stages of filtering reduce radiated and conducted noise to MIL461 levels.

Safety features include over-temperature shutdown, current limiting, short circuit protection with automatic recovery, input under voltage shutdown and output over-voltage protection. Extra features include visual indicators for low input voltage, overload and over-temperature, dry contact output fail output and remote control connection.

### Available models

Input

110V & 220V

Output

12V 24V 32V 48V 72V (rail)

### Applications



# PWS1505 | AC SOURCE POWER SUPPLIES

## INPUT

Input Volts Nominal	110 and 220 VAC (auto switching)
Input Volts Actual	90-140 and 180-280 VAC
Input Amps	20 maximum (at 90 VAC in)
Input Fuse	25 A Slow Blow Part # MDA25A
Input Frequency	45 - 405 Hz
Noise on Input	< 50 mV

## OUTPUT

Output Volts Nominal VDC	12	24	32	48	72(rail)
Output Volts Actual	13.6	27.2	36.3	54.4	72.6
Output Adjust	+/- 0.5 V	+/- 1.0 V	+/- 1.5 V	+/- 2.0 V	+/- 3.0 V
Continuous Amps	100	60	45	30	20
Maximum Amps	120	72	54	36	2
Regulation (Line & Load)	< +/- 0.5%				
Output Overvoltage Protection Crowbar	17.0 ± 0.05 V	34.0 ± 1.0 V	45.0 ± 0.5 V	68.0 ± 2.0 V	90.0 ± 0.3 V
Efficiency	> 80% @ Maximum Output				

## MECHANICAL

Dimensions	17.4 in / 44.2 cm Long x 8.35 in/ 21.2 cm Wide x 4.0 in / 10.2 cm High
Clearance	1.0 in / 2.5 cm all around
Weight	18.0 lb / 8.2 kg
Material and Finish	Marine Grade Black Anodized Aluminum with 18-8 Stainless Fasteners
Connections	Input - NEMA 5-15 plug with 2.5 m AWG14 cable (approx. length) (North America) or CEE 7/7 2.5 m cable (Europe) Output - Color coded Phoenix VDFK6 terminal blocks, 60 Amp rated

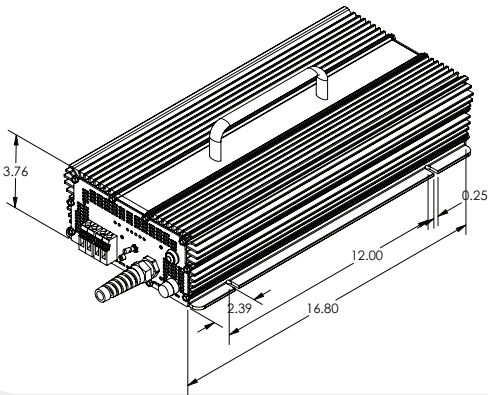
## ENVIRONMENTAL AND SAFETY

Operating Temperature Range	-25°C to +40°C @ maximum output. Derate Linearly 2.5% per °C from 40°C (Optional -40°C extra wide temperature operation available)
Humidity	0 - 95% Relative Humidity (non-condensing) with standard conformal coating
Isolation	Input-Case, Input-Output and Output-Case 1500 VDC
Audible Noise	40 dB when fans operating
Typical Service Life	> 10 years (87,600 hrs)
Warranty	Three years parts and labor
Safety	Built to meet CSA 22.2.107.1 & UL458




## OPTIONS


- European ROHS compliant (Lead Free Manufactured)
- Open frame (No chassis, just heat sink bars)
- Portable (adds height, Carrying handle, rubber feet)
- Integrated Digital Volt/Ammeter (increases case length 3 inches)
- Heavy duty ruggedization with wide temperature range
- Custom input/output available
- PWS1505M Military model with MIL Connectors, wide temperature and ruggedization
- PWS1505MW Military model with MIL connectors, wide temperature, ruggedization and sealed to IP66

## DIMENSIONS



**ANALYTIC SYSTEMS**  
Power Conversion Solutions

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