

ANALYTIC SYSTEMS

Power Conversion Solutions

PWS800MW

AC SOURCE SEALED POWER SUPPLIES

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

Low EMI

IP66 rated, can be used in wet location



Rugged and reliable

Visual indicators for operation and errors

2 YEAR WARRANTY



PWS800MW Series

AC SOURCE SEALED POWER SUPPLIES

The PWS800MW series power supplies provide up to 800 watts continuous and 1000 watts intermittent at 24, 32, 36 and 48 volts (adjustable +/-10%) to power one or more loads from a 110 or 220 VAC source.

This innovative design uses a waterproof extrusion with O-Ring sealed billet machined end covers to passively cool the exterior of the enclosure, allowing full power operation while maintaining IP66 water and dust resistance (IP67 tested optional).

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 very low levels. Extra features include visual indicators for low input voltage, overload and over-temperature.

Available models

Input Voltages

110V

220V

Output Voltages

24

32

36

48

Applications



PWS800MW | AC SOURCE SEALED POWER SUPPLIES

INPUT

Nominal (ip)	110 and 220 (auto switching)
Actual (Vac)	90-130 and 180 - 280
Input Amps	13 (at 90 VAC in)
Input Breaker	15A Magnetic
Input Frequency	45 - 405 Hz
Noise on Input	< 50 mV

OUTPUT

	24	32	36	48
Output Volts Nominal VDC	24	32	36	48
Output Volts Actual	27.2	36.3	40.8	54.4
Output Adjust	+/- 10%			
Continuous Amps	30	23	20	15
Maximum Amps	36	27	24	18
Regulation (Line & Load)	< +/- 0.5%	< +/- 0.5%	< +/- 0.5%	< +/- 0.5%
Output Overvoltage Protection Crowbar	34.0 ± 1.0V	45.0 ± 1.3V	51.0 ± 1.5V	68.0 ± 2.0V
Efficiency	> 80% @ Maximum Output			

MECHANICAL

Dimensions	16.4 in / 41.5 cm Long x 8.35 in / 21.2 cm Wide x 3.9 in / 9.9 cm High (not incl. handle)
Clearance	1.0 in / 2.5cm all around
Weight	21.7 lb / 9.9 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) Output - MS3102E22-22S MIL Connector (2 x Positive, 2 x Negative)

ENVIRONMENTAL AND SAFETY

Operating Temperature Range	-40°C to +55°C @ maximum output. Derate Linearly 2.5% per °C from +55°C
Humidity	0 - 95% Relative Humidity (non-condensing) with standard conformal coating
Emissions	Designed to meet MIL461F
Isolation	Input-Case, Input-Output, Output-Case 1500VDC
Audible Noise	0 dB
Typical Service Life	> 10 years (87,600 hrs)
Warranty	Two years parts and labor
Safety	Built to meet CSA 22.2.107.1 & UL458

OPTIONS

European ROHS compliant
(Lead FreeManufactured)

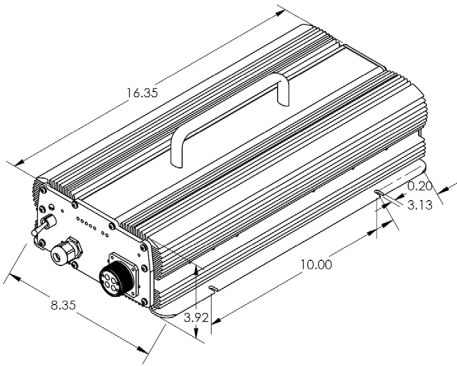
Custom output available

Additional Sealing and Tested to IP67

Carrying handle

MIL Input Connector

DIMENSIONS



ANALYTIC SYSTEMS
Power Conversion Solutions



AnalyticSystems.com



@ sales@analyticsystems.com



604.946.9981 800.668.3884



8128 River Way
Delta BC V4G 1K5