



LED indicators and integrated voltmeter

Over-temperature, output short circuit and overload protection

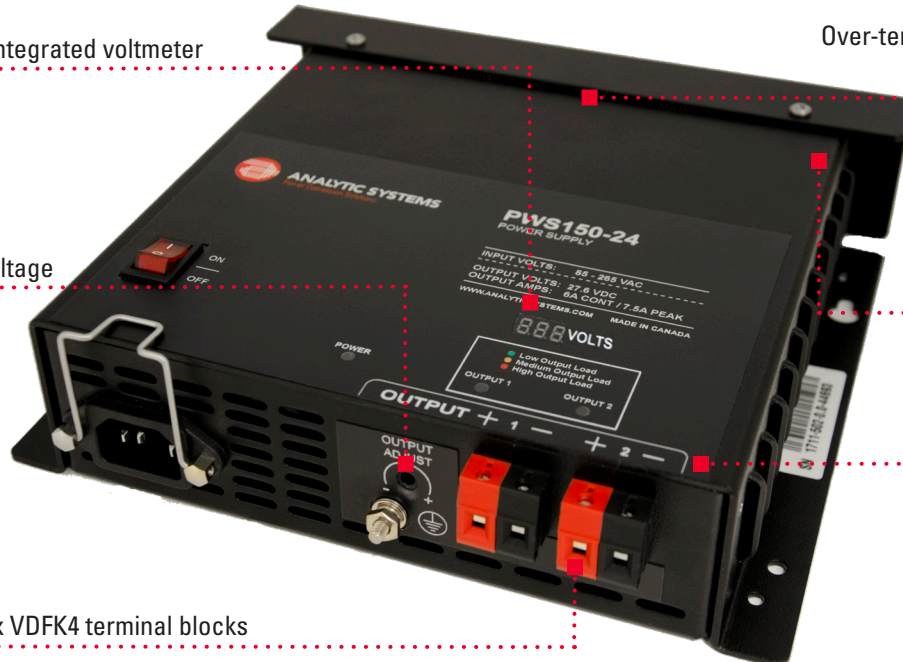
Adjustable output voltage

Drip shield

Low EMI operation

Color-coded Phoenix VDFK4 terminal blocks

*Unit may not be exactly as shown



PWS150
AC SOURCE POWER SUPPLY

The PWS150 power supply provides up to 150 watts continuous or 180 watts intermittent to power multiple loads optimally from a 85-265 VAC source at 50-60 and 400Hz.

The PWS150 is designed to be easily wall-mounted and comes with a drip shield standard for external protection. Internally, Power Factor Correction technology ensures the most efficient use of this power while extra input and output filtering reduce EMI to extremely low levels to prevent interference with sensitive communications equipment.

On the front panel, a bright LED display and integrated digital voltmeter display operating information. In addition, two pairs of custom-colored Phoenix VDFK4 terminal blocks provide quick and secure connection to loads, while input connection is provided through a standard IEC320 AC input connector.

Reliability features of this unit include input fuse, thermal shutdown, current limiting, reverse battery hookup protection, and output short circuit shutdown with automatic recovery. The unit is built to meet CSA, UL, and CE standards as well as ROHS-complaint.

3 YEAR WARRANTY



Available models

Input

85 - 265V

Output

12V

24V

Applications



PWS150 | AC SOURCE POWER SUPPLY

INPUT

Nominal Voltage	85 - 265 VAC
Input Amps	3 A (Max @ 90 VAC In)
Power Factor	> 0.98 at Full Load (>0.86 @ 400Hz)
Input Frequency	45 - 405 Hz
Noise on Input	< 50mV

OUTPUT

Nominal Voltage	12 VDC	24 VDC
Actual Voltage	13.8 ± 0.6 VDC	27.6 ± 1.2 VDC
Continuous Amps	12 A	6 A
Peak Amps	15 A	7.5 A
Output Adjustment	± 1.0V	
Regulation (Line & Load)	< +/- 0.5%	
Duty Cycle	Continuous: 100% for 24 hours per day Peak: 1 minute per hour	
Efficiency	> 90% @ Maximum Output	
Stages	2 stage (Constant Current to Constant Voltage)	

MECHANICAL

Length	8.0 in / 22.3 cm
Width	8.8 in / 22.4 cm
Height	2.2 in / 5.6 cm
Clearance	1.0 in / 2.5 cm (All around)
Weight	3.6 lb / 1.6 kg
Fasteners	18-8 Stainless steel
Material and Finish	Marine grade black anodized aluminum
Mounting	Wall mount (With Drip Shield)
Input Connections	AC Input - IEC320 Inlet 26.4mm Tab Flange Mount
Output Connections	DC Output - Color-coded Phoenix VDFK 4 Connector (Black: Negative, Red: Positive)

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 wide temperature range available)
Humidity	0 - 95% Relative Humidity (non-condensing) with standard conformal coating
Audible Noise	NONE 0db @ 3ft (34.5 db with fan operating)
Emissions	Meets FCC Part 14, Class B
Typical Service Life	> 10 years (87,600 hrs)
Isolation	Input-Case, Input-Output: 2000 VDC, Output -Case: 500 VDC
Warranty	Three Years Parts and Labor
Safety	Built to meet CSA C22.2 No.107.1 and UL 458

Note: Specifications are subject to change without notice.

OPTIONS

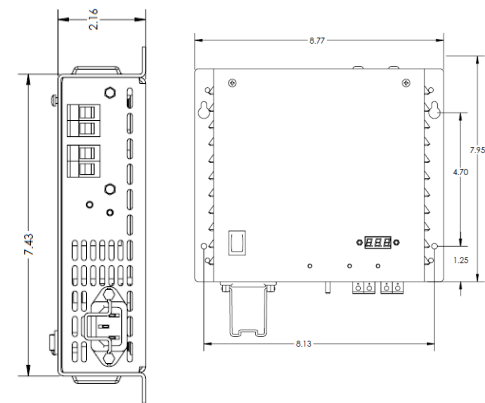
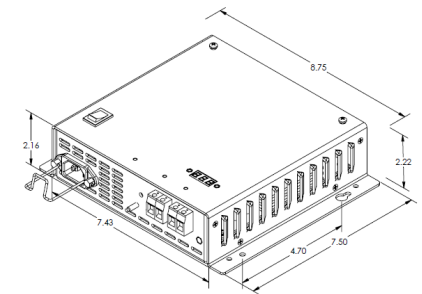
GMDSS: Digital voltmeter /ammeter & remote control kit

Safety special inspection (CSA/UL)

Heavy-duty ruggedization with wide operating temperature range

Custom input/output voltages available

DIMENSIONS




ANALYTIC SYSTEMS
Power Conversion Solutions

 AnalyticSystems.com

 Sales@analyticsystems.com

 604.946.9981 800.668.3884

 101-8128 River Way
Delta BC V4G 1K5