



ANALYTIC SYSTEMS

Power Conversion Solutions

AC POWER SUPPLIES

**MODEL
PWS120 / 240**

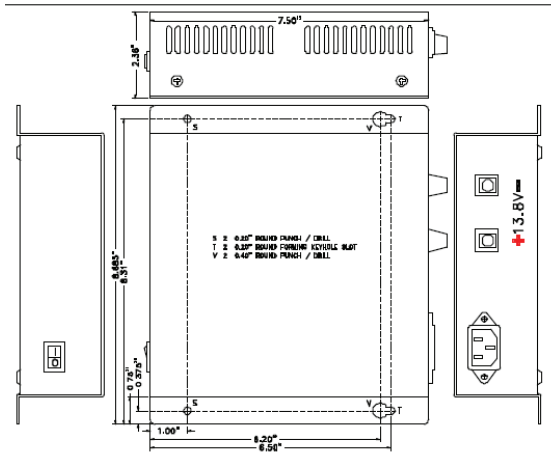


Benefits

- Quiet Operation
- Reliable
- Economical
- Lightweight

Design Features

- Advanced switch-mode technology
- Reliable power with minimum weight and size
- Complies with FCC Part 15, Class B standards
- UL listed to both USA & Canadian safety standards
- Input voltage can be set at 120VAC or 240VAC
- 3 year parts and labour warranty



Description

The PWS120 and PWS240 Series of power supplies provide 12 Volts DC at more than 120 Watts or 240 Watts of continuous power from a 110 or 220 Volt AC source.

Their new design uses MosFet based Switchmode technology for high reliability, high efficiency and minimum size. Current limiting and safe operating area circuitry protect the transistors.

A crowbar circuit protects any devices powered by the unit from excessive voltage in the unlikely event of a failure.

Applications

- VHF Radios
- CB Radios
- Sound Equipment
- GPS Receivers
- Plotters
- 12 Volt Lighting Systems
- Automotive Electronics Displays
- Marine Electronics Displays
- Security Systems

An ISO9001 and AS9100 Registered Company Battery Chargers • Inverters • Power Supplies • Voltage Converters

8128 River Way, Delta B.C. V4G 1K5 Canada T. 604.946.9981 F. 604.946.9983 TF. 800.668.3884 (US/CANADA)

www.analysystems.com

AC POWER SUPPLIES

MODEL PWS120\240

Electical (Input)

Nominal Vac (ip)	110-220	
Actual (Vac)	100-130	200-260
Input Amps (max)	2.5A	
Input Fuse (AGC)	3A 2A (PWS120) 6.3A 4A (PWS240)	
Current Limit	16A (PWS120) 27A (PWS240)	
Input Frequency	45 – 65 Hz	
Noise on Input	< 25 mV	

Electrical (Output)

Output Nominal (op)	12	
Output Volts (DC)	13.8 ± 0.1	
Output Amps	10 cont. / 14 peak (PWS120)	23 cont. / 25 peak (PWS240)
Output Ripple & Noise	< 10 mV @ 10A out (PWS120)	< 15 mV @ 23A out (PWS240)
Transient Response	< 2V for 5A Surge	
Regulation (Line & Load)	< +/- 0.5%	
Duty Cycle	Peak 20% for 5 min max Continuous 100% for 24 hours per day	
Efficiency	> 80% @ Maximum Output	
EMC	Complies with FCC Part 15, Class B standards	

Environmental Specification

Temperature Rise	< 40 deg C @ 14 Amps Out
Input Isolation	Input-Case & Input-Output 1500 VDC, Output-Case 500VDC

Mechanical Specification

Length	7 in / 17 cm
Width	8.3 in / 21 cm
Height	2.2 in / 5.6cm
Clearance	1 inch (2.5 cm) all around
Material	Marine Grade Aluminium
Finish	Black Anodize / Powder Epoxy Coat
Fastenings	All 18-8 Stainless Steel
Weight	3.0 lb / 1.4 kg (PWS120) 3.5 lb / 1.6 kg (PWS240)
Connections	Two Contact Output Banana Terminals
Warranty	3 years
Safety	Designed to meet CSA 22.2.107.1 & UL458

Note: Specifications are subject to change without notice.



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