

1000W Power Supply in 5" X 5" X 12" Package PFC 1000 Series

- Compact size
- Electronic power factor correction
- Adjustable output
- 1000W of output power
- Full electronic protection
- Robust industrial quality
- Field-proven design



The PFC 1000 Series is a compact AC/DC converter with power factor corrected input. It uses established design techniques to ensure high reliability. Suitable for a wide range of applications, the PFC1000 features full electronic protection, high efficiency and low output noise. The built-in fan provides sufficient airflow for operation without de-rating up to 50°C ambient temperature. The chassis has four M6 PEM nuts for mounting on the bottom surface.

SPECIFICATIONS

<p>Input Voltage 95VAC to 264VAC 47 - 63Hz Input current 13A max at 95V</p> <p>Power Factor Min. 0.95 at full load for the entire input range</p> <p>Input Protection Inrush current limiting Varistor Internal safety fuse Lower voltage than the specified minimum input will not damage the unit</p> <p>Input Isolation 2250VDC input to chassis 4300VDC input to output 8mm spacing 500VDC output to chassis</p> <p>Standards Compliance to EN60950 and related standards Please consult factory for approval status for the requested input/output configuration</p> <p>EMI Meets and EN 55022 Class A with wide margins</p>	<p>Switching Frequency 55kHz +/- 3kHz</p> <p>Hold-up Time Min. 10ms at full load for 5% drop of output voltage</p> <p>Output Voltages 12V/75A; 24V/40A; 48V/20A; are standard +/-5% adjustable Output is floating, either terminal can be grounded Consult factory for other voltages</p> <p>Redundancy Diode Not installed Available as option</p> <p>Line/Load Regulation +/-1% combined from zero load to full load.</p> <p>Dynamic Response Max 5% voltage deviation for 10% to 50% load step, with better than 1msec recovery time</p>	<p>Output Ripple Noise Better than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20MHZ BW)</p> <p>Output Overload Protection Rectangular current limiting with short circuit protection Thermal shutdown with automatic reset in case of insufficient airflow</p> <p>Output Overvoltage Protection Double regulator loop</p> <p>Efficiency Min 80% at full load</p> <p>Operating Temperature 0° C to +50° C</p> <p>Temperature Drift 0.03% per °C over operating temperature range</p> <p>Cooling By built-in fan</p> <p>Environmental protection Basic ruggedizing</p>	<p>MTBF 100,000 hours at 45°C Fan excluded</p> <p>Indicators None</p> <p>Control Input None</p> <p>Alarm Output None Available as option</p> <p>Dimensions (W x H x L) U5512: 127 x 127 x 314mm (5" x 5" x 12.4") enclosed case</p> <p>Weight 5.2 kg (11.5 lb.)</p> <p>Connections Terminal blocks</p> <p>RoHS Compliance According to requirements</p> <p>Warranty Two years subject to application within good engineering practice</p>
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Enhancements to these general specifications and customizing can be accommodated upon request. Specifications subject to change.

Designer and manufacturer of quality ac-dc power supplies and battery chargers, converters, inverters, dc-output UPS systems, complete rack mount systems and DC-input fluorescent lamp inverters since 1982. Custom or standard. Absopulse is a BABT-approved Facility.



ABSOPULSE ELECTRONICS LTD
110 Walgreen Road
Ottawa, Ontario. K0A 1L0. CANADA
Tel: (613) 836-3511 Fax: (613) 836-7488
E-mail: absopulse@absopulse.com
www.absopulse.com