

1000W PFC POWER SUPPLY IN 5" X 5" X 12" PACKAGE

PFC1000 SERIES

- Compact size
- Electronic power factor correction
- Adjustable output
- Up to 1000W of output power
- Full electronic protection
- Telecom quality
- Field-proven design topology



The PFC1000 Series is a highly compact AC/DC converter which uses established design techniques to ensure high reliability. Standard outputs are 12V/75A; 24V/40A and 48V/20A. 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. Options include extended operating temperature (-40 to +65°C) and N+1 redundancy.

SPECIFICATIONS

<p>Input Voltage 95VAC to 264VAC</p> <p>Power Factor Min 0.95 at full load for the entire input range</p> <p>Input Protection Thermal fuse Inrush current limiting</p> <p>Input Isolation 2250VDC input to chassis 4300VDC input to output 8mm spacing 500VDC output to chassis</p> <p>Compliance to IEC950, CSA C22.2 No. 950 and UL 1950 Please contact factory for approval status for the required input/output configuration</p>	<p>Output Voltage 12V/75A; 24V/40A & 48V/20A standard. Consult factory for other voltages</p> <p>Efficiency Min 80% at full load</p> <p>Line/Load Regulation ± 1% combined Tighter regulated versions available</p> <p>Output Overvoltage Protection Double regulator loop</p> <p>Overload Protection Rectangular current limiting with short circuit protection Thermal shutdown with automatic reset in case of insufficient airflow</p>	<p>EMI Meets EN 55022 Class A</p> <p>Output Ripple/Noise Better than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20MHZ BW) Audio band noise: max. 32dBnC</p> <p>Hold Up Time Minimum 10ms at full load for 5% drop of output voltage</p> <p>Operating Temperature 0°C to +50°C</p>	<p>Temperature Drift 0.03% per °C over operating temperature range</p> <p>Dimensions 5" x 5" x 12" enclosed case</p> <p>Connections Screw-type terminal block</p> <p>Output Fail Alarm CE opto-coupler output (normal operation: low) Relay contacts optional</p> <p>Warranty Twelve months subject to application within good engineering practice</p>
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Enhancements to these general specifications can be accommodated upon request
Designed to meet common approval requirements. Specifications subject to change.

Designer and manufacturer of quality converters, inverters, UPS systems, complete rack mount systems and DC-input fluorescent lamp inverters since 1982. Custom or standard.
Absopulse is a BAPT-approved Facility

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