

6000W PFC POWER SUPPLY IN 4U X 19" X 25" SHELF WITH SIX 1000W HOT-PLUGGABLE MODULES PFC6000 SERIES

- Fully modular
- Electronic power factor correction
- N + 1, hot-pluggable
- 6000W output power
- Full electronic protection
- Telecom quality
- Field-proven design topology



The PFC6000 Series is a modular power system which uses established design techniques to ensure high reliability. Suitable for a wide range of applications, the PFC6000 features full electronic protection, high efficiency and low output noise. The built-in fan unit provides sufficient airflow for operation without de-rating up to 50°C ambient temperature. Built-in redundancy diodes make the system suitable for N+1 redundant operation. This feature also makes the system suitable for battery charging applications.

SYSTEM SPECIFICATIONS

<p>Input Voltage 230VAC (180VAC to 264VAC range) 47-63Hz single phase or 3 x single phase</p> <p>Power Factor 0.98 (typical) 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 Designed to meet IEC950, CSA C22.2 No. 950 and UL 1950. Please contact factory for approval status for the requested input/output configuration</p>	<p>Output Voltage 12V/500A, 24V/250A, 48V/125A, 54V/110A standard Consult factory for other voltages</p> <p>Efficiency Typical 85% 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 as a minimum</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 4U X 19" X 25" including fan unit</p> <p>Connections Screw-type terminal block and 3/8" DIA copper studs</p> <p>Output Fail Alarm CE opto-coupler output (normal operation: low) Relay contacts optional</p>
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Note: For shallower depth please see our PFC619 system which measures 6U x 19" x 15"

Warranty: Twelve months subject to application within good engineering practice
Enhancements to these general specifications can be accommodated upon request
Designed to meet common approval requirements Specifications are 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 BABT-approved Facility

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