

200W, SINGLE OUTPUT POWER SUPPLY WITH PFC

PFC53 SERIES

- Compact size: 100x220mm Eurocard
- Electronic power factor correction
- Very long hold-up time: 50ms
- Adjustable single output
- Up to 250W of output power
- Full electronic protection
- Telecom quality
- Field-proven design topology
- Plug-in or stand-alone package
- N+1 redundancy available



The PFC53 Series is a highly compact AC/DC PFC converter which uses established design techniques to ensure high reliability. Standard outputs are 12V/16A; 24V/8A and 48V/4A. Suitable for a wide range of applications, the PFC53 features full electronic protection, high efficiency and low output noise. Options include extended operating temperature and N+1 redundancy.

SPECIFICATIONS

<p>Input Voltage 85VAC to 264VAC Universal</p> <p>Power Factor Min 0.97 at full load for the entire input range</p> <p>Input Protection Thermal fuse Inrush current limiting</p> <p>Input Isolation/Safety 2250VDC input to chassis 4300VDC input to output 8mm spacing 500VDC output to chassis Full compliance to IEC950, CSA 22-2-950, UL 1950 and CE marking requirements. Please consult factory for approval status for the requested input/output configuration</p>	<p>Output Voltages 12V/16A; 24V/8A & 48V/4A at full input range At 220V input the output power is 25% higher. 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>RFI Suppression Meets FCC 20780 Class A and EN 55022 Class A conducted emissions</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>Hold Up Time Minimum 50ms at full load for LH version. Min 20msec for standard</p> <p>Operating Temperature 0°C to +50°C</p> <p>Temperature Drift 0.03% per °C over operating temperature range</p>	<p>Dimensions Plug-in: 3U x 220 x 12HP Stand-alone: 4.42" x 10.0" x 2.25"</p> <p>Connections Plug-in module: H15 Connector Stand-alone: screw-type terminal block</p> <p>Output Fail Alarm Via opto-coupler (normal operation: C-E contacts)</p> <p>Warranty Twelve months subject to application within good engineering practice</p>
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Enhancements to these general specifications and customizing can be accommodated upon request
Designed to meet all approval requirements

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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