

150W, SINGLE OUTPUT POWER SUPPLY WITH PFC

PFC90 SERIES

- Compact PCB size: 100x220mm Eurocard
- Electronic power factor correction
- Adjustable single output
- Up to 150W of output power
- Full electronic protection
- Telecom quality
- Field-proven design topology
- Plug-in or stand-alone package
- N+1 redundancy available



The PFC90 Series is a highly compact AC/DC PFC converter which uses established design techniques to ensure high reliability. Standard outputs are 12V/12A; 24V/6A and 48V/3A. Suitable for a wide range of applications, the PFC90 features full electronic protection, high efficiency and low output noise. Options include extended operating temperature and N+1 redundancy.

SPECIFICATIONS

Input Voltage

85VAC to 264VAC

Power Factor

Min 0.97 at full load for the entire input range

Input Protection

Thermal fuse
Inrush current limiting

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 and UL 1950
Please consult factory for approval
status for the requested input/
output configuration

Output Voltages

12V/12A; 24V/6A &
48V/3A standard
Consult factory for other voltages

Efficiency

Min 80% at full load

Line/Load Regulation

\pm 1% combined
Tighter regulated versions
available

Output Overvoltage Protection

Double regulator loop

Overload Protection

Rectangular current limiting with
short circuit protection
Thermal shutdown with automatic
reset in case of insufficient airflow

RFI Suppression

Meets FCC 20780 Class A
and EN 55022 Class A
conducted emissions

Output Ripple/Noise

Better than 1% of output voltage
peak to peak or 0.2% RMS of the
output voltage (20MHZ BW)

Hold Up Time

Minimum 10ms at full load for 5%
drop of output voltage

Operating Temperature

0° C to +50° C

Temperature Drift

0.03% per °C over operating
temperature range

Dimensions

Plug-in: 3U x 220 x 10HP
Stand-alone: 4.42" x 10.0" x 2.25"

Connections

H15 Connector for plug-in
Screw-type terminal block for
stand-alone

Output Fail Alarm

Via optocoupler
(normal operation: C-E contacts)

Warranty

Twelve months subject to
application within good
engineering practice

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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