

5000W PFC-INPUT POWER SUPPLY IN 4U X 19" X 25" SHELF WITH FIVE 1000W HOT-PLUGGABLE MODULES PFC 5000 SERIES

- Fully modular
- Electronic power factor correction
- N + 1, hot-pluggable
- 5000W output power
- Full electronic protection
- Telecom quality
- Field-proven design topology



The PFC5000 Series is a modular power system which uses established design techniques to ensure high reliability. Suitable for a wide range of applications, the PFC5000 features full electronic protection, high efficiency and low output noise. Each plug-in module has its built-in fan 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

Input Voltage

230VAC (180VAC - 264VAC)
47-63Hz single phase

Power Factor

0.98 (typical) at full load for the entire input range

Input Protection

Internal safety fuse on each module
Inrush current limiting
Surge protection

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.

Output Voltage

12V/400A, 24V/200A, 48V/100A,
54V/90A standard
Consult factory for other voltages

Efficiency

Typical 85% at full load

Line/Load Regulation

± 1% combined

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

EMI

Meets EN 55022 Class A as a minimum

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

4U X 19" X 25"

Connections

Inputs: screw-type terminal block
Outputs: 3/8" DIA copper studs

Module Fail Alarm

Summary form C-alarm relay contacts

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 BAPT-approved Facility



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