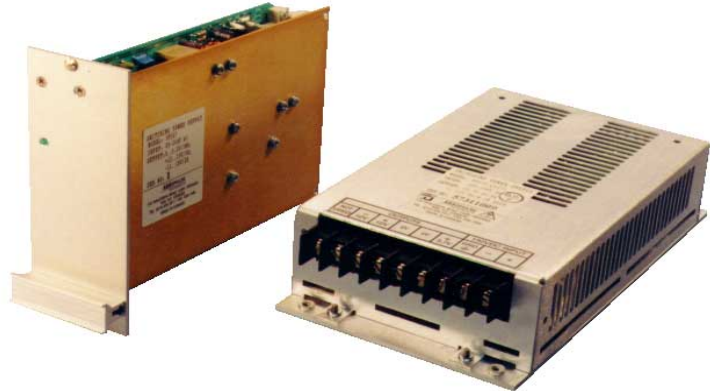


PFC500 500W VME PFC INPUT STAGE 85-264VAC IN 360VDC OUT

PFC250 / PFC 500 SERIES

- Compact size
- Plug-in or stand-alone
- Electronic power factor correction
- Parallel connection for any output power
- N+1 redundancy possible
- Convection cooled
- Full electronic protection
- Telecom quality
- Field-proven design topology
- Eliminates the need to replace entire power system



The PFC250 & the PFC500 Series of AC/DC converters use an advanced high frequency conversion technology to generate an output of 360VDC at 300 or 500W. The use of these input stages allows one to comply with PFC requirements without having to replace the existing system. Since the PFC modules are also available in plug-in versions, and can be connected in parallel via built-in redundancy diodes, larger PFC systems can be put together by inserting the required amount of modules into a card shelf. Within the shelf the PFC modules can be combined with DC/DC converters resulting in complex n+1 redundant power systems.

All PFC modules feature low component count and high efficiency. The use of professional quality components and rigorous quality control results in an MTBF exceeding 100,000 hours at 45°C.

SPECIFICATIONS

Input Voltage
85VAC to 264VAC

Power Factor
>0.97 at full load for the entire input range

Input Protection
Thermal Fuse
Inrush current limiting

Designed to meet IEC950,
CSA 22-2-950 and UL 1950
Please consult factory for
approval status for the requested
input/output configuration

Output Voltage
360VDC
300W max for PFC250
500W max for PFC500
Higher output power can be
achieved with forced air cooling

Efficiency Min 90%

Line/Load Regulation
±/-3% combined

Output Overvoltage Protection
Double regulator loop

Overload Protection
Current limiting with fuse
Self-resetting thermostat for
thermal protection

Operating Temperature
0 to +50°C
Extended temperature range
available

RFI Suppression
Meets requirements of EN55022:
1987 Class A, FCC 20780
Class A and VDE871 Class A
conducted emissions

Dimensions (plug-in units)
PFC250 3Ux160mm x 14HP
PFC500 3Ux220mm x 14HP

Warranty
Twelve months subject to
application within good
engineering practice

Enhancements to these general specifications 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 BABT-approved facility

ABSOPULSE
ELECTRONICS LTD.

ABSOPULSE ELECTRONICS LTD.
110 Walgreen Road
Carp, Ontario K0A 1L0 CANADA

Visit us at www.jimdgrayassoc.com