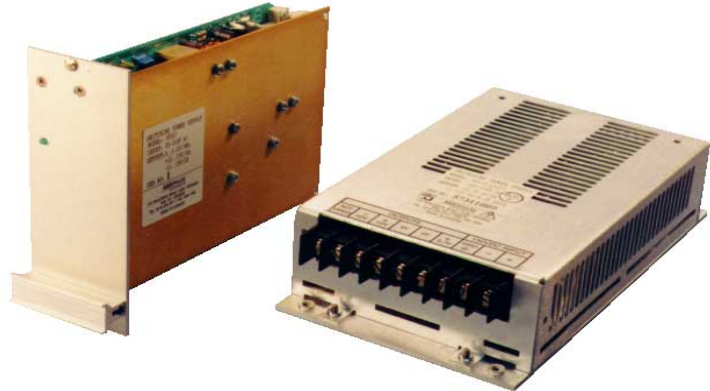


## 300-500W EUROCARD (VME) PFC INPUT STAGES

### PFC250 & PFC500 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 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 BAPT-approved facility**

**ABSOPULSE**  
ELECTRONICS LTD.

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