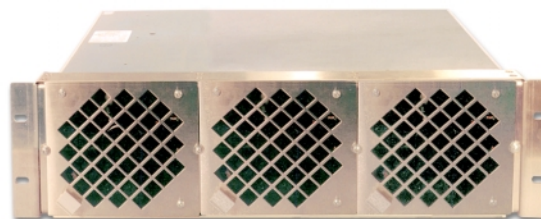


4500W, MODULAR REDUNDANT POWER SUPPLY WITH PFC INPUT PFC4500 SERIES

- Compact rack-chassis: 3Ux19"x18"
- Electronic power factor correction (PFC)
- Adjustable single output
- Up to 4500W output power
- Full electronic protection
- Telecom quality
- Field-proven design topology
- N+1 redundancy available



The PFC4500 is a compact, modular AC/DC power supply with power factor corrected input. It uses established design techniques to deliver 4500W output power, or 3000W with N+1 redundancy. Standard output is 48VDC, and other output voltages are available. The PFC1500 hot-pluggable modules have built-in redundancy diodes, a feature which makes the unit suitable for battery charging. The PFC4500 is fan cooled and features full electronic protection, high efficiency and low output noise. Options include extended operating temperature, battery temperature compensation and ruggedizing for harsh environments, as well as various alarms including AC-fail, DC fail, and fan-fail. Multiple PFC4500 power shelves can be connected in parallel for higher output power.

SPECIFICATIONS (PER PFC1500 PLUG-IN MODULE)

Input Voltage 95VAC to 264VAC	Output Voltages 48V/31A standard. Consult factory for other voltages	EMI Meets EN 55022 Class A	Dimensions Plug-in module: 5" x 5" x 14" Enclosed package: Shelf: 3U x 19" x 18"
Power Factor >.99 below 140VAC at full load >.93 above 140VAC at full load	Efficiency Min 80% at full load	Output Ripple/Noise Better than 350mV peak to peak or 100mVrms (20MHZ BW)	Connections Input/output compression type terminal block
Input Protection Thermal fuse Inrush current limiting	Line/Load Regulation +/-1% combined	Hold Up Time Minimum 10ms at full load for 5% drop of output voltage	Output Fail Alarm Via opto-coupler output
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 Over-voltage Protection Double regulator loop Overload Protection Rectangular current limiting with short circuit protection Thermal shutdown with automatic reset in case of insufficient airflow	Operating Temperature 0° C to +50° C Temperature Drift 0.03% per °C over operating temperature range	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 common approval requirements. Specifications 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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