

6300W PFC INPUT POWER SUPPLY

IN 3U X 19" X 28" SHELF

MODEL PFC6300

- 6000W main output
- 300W (48V/6.25A) output for high-speed blowers
- Full electronic protection
- Telecom quality
- Field-proven design topology



The PFC6300 modular AC/DC converter uses established design techniques to ensure high reliability. The two outputs are 12V/500A and 48V/6.25A. Suitable for a wide range of applications, the PFC6300 features full electronic protection, high efficiency and very low output noise. The input is power factor corrected, and EMI filtered for EN55022 Class A performance. The unit has an input breaker (50A) which also serves as an ON/OFF switch. Cooling is achieved by six built-in high-speed fans which provide sufficient airflow for operation without de-rating up to 50°C ambient temperature.

SPECIFICATIONS

Input Voltage 220VAC $\pm 20\%$	Output Voltages 12V/500A; 48V/6.25A Consult factory for other voltages	Overload Protection Current limiting with short circuit protection (no hiccup). Self-resetting thermostat for thermal protection	Operating Temperature 0°C to +50°C
Power Factor Min 0.95 at full load for the entire input range	Efficiency Min 72% at full load	EMI Meets EN 55022 Class A	Temperature Drift 0.03% per °C over operating temperature range
Input Protection Breaker Inrush current limiting	Line/Load Regulation $\pm 2\%$ combined	Output Ripple/Noise Better than 100mV peak-to-peak or 30mV RMS (20MHZ BW)	Package size 3U x 19" x 28" deep
Input Isolation 2250 VDC input to chassis 4300 VDC input to output, 8mm spacing 500 VDC output to chassis Compliance to IEC950, CSA22-2-950 and UL 1950	Output Overvoltage Protection Double regulator loop	Hold Up Time Minimum 10ms at full load for 5% drop of output voltage	Connections Copper rails for 12V/500A output. Sub-D connector for fan outputs. Screw type terminal block (65A) for input

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 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.
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