

5,000W MODULAR POWER SUPPLY WITH PFC INPUT

PFC619 SERIES

- 6U x 304mm x 16HP plug-in modules
- Power factor corrected
- Up to 5000W per 19" shelf
- Up to 1000W per plug-in module
- Full electronic protection
- Field-proven design topology
- Hot swappable, n+1 redundancy



The PFC619 is a modular AC/DC power supply with power factor corrected input. The system is comprised of up to five, 1000W plug-in modules assembled in a 6U x 19" card-frame. It delivers a maximum of 5000W or 4000W with N+1 redundancy. Standard outputs for each module are 24V/40A and 48V/20A. The hot-insertable modules have built-in redundancy diodes, a feature which makes the unit suitable for battery charging. Fan-cooling provides sufficient airflow for operation without de-rating up to 50°C ambient temperature. Suitable for a wide range of applications, the PFC619 features full electronic protection, high efficiency and low output noise.

SPECIFICATIONS

Input Voltage
95V to 264Vac
47 to 63Hz

Power Factor
>0.95 at full load for the entire input range

Input Protection
Thermal fuse
Inrush current limiting

Input Isolation/Safety
2250VDC input to chassis
4300VDC input to output
8mm spacing
500VDC output to chassis

EMI
Meets EN55022 Class A conducted emissions

Output Voltages
24Vdc/40A and 48Vdc/20A are standard

Efficiency
Min 80% at full load

Line/Load Regulation
±1% combined

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

Output Ripple/Noise
Better than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20MHZ BW)
Audio band noise: max. 32dBmC

Operating Temperature
0° C to +50° C

Temperature Drift
0.03% per °C over operating temperature range

Dimensions
Eurocard plug-in module:
6U x 304mm x 16HP
(Shelf 6U x 19" x 17"D)

Connections
H15 DIN connector

Output Fail Alarm
Via optocoupler - C-E
(normal operation: low)

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

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