

PFL800 800W POWER SUPPLY IN 1U x 19" SHELF w/ PFC
95-264VAC IN 24 & 48VDC OUT
PFL 800 SERIES

- Low profile 1U(1.75") x 19" x 20" rack-mount enclosure
- Electronic power factor correction
- 800W output power
- Full electronic protection
- Telecom quality
- Field-proven design topology
- n+1 redundancy available



The PFL 800 is a low profile, AC/DC converter with power-factor-corrected input that utilizes half-bridge topology after the PFC-input stage to deliver 800W. It is comprised of four 200W internal modules, each separated by an OR-ing diode, allowing for redundant operation. Output power and cost can be reduced in 200W segments. Output voltage and current are simultaneously displayed via optional digital meters located on the front panel. The PFL 800 features full electronic protection, high efficiency and low output noise. It is suitable for a wide range of applications

SPECIFICATIONS

Input Voltage
95VAC to 264VAC universal
47 - 64Hz

Power Factor
Min 0.97 at full load for the entire input range. Meets EN61000-3-2 standards.

Input Protection
Thermal fuse (internal)
Inrush current limiting

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

Designed to meet IEC950, CSA 22-2-950, UL 1950 and CE marking requirements.

EMI
EN 55022 Class B

Output Voltages
24V/33A & 48V/16.6A at full input range.
Consult factory for other voltages

Efficiency
Min 80% at full load

Line/Load Regulation
± 1.5% combined from zero load to full load

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
High frequency ripple is less than 30mVrms or 200mVpp (20MHZ BW)
60Hz ripple is 20mVrms max.

Hold Up Time
Minimum 20ms at full load

Operating Temperature
0°C to +50°C with fan cooling.

Temperature Drift
0.03% per °C over operating temperature range

Dimensions
1.75" x 19" x 20"

Input/ Output Connections
Compression type terminals

Metering (Optional)
Digital output voltage and current meters on front panel

Weight
12lbs (5.4kg)

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 all 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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