

# 800W, LOW-PROFILE, RUGGED, INDUSTRIAL POWER SUPPLY IN 1U (1.75") x 19" SHELF WITH PFC INPUT PFL 800-110 SERIES

- Low profile 1U rack-mount enclosure
- Electronic power factor correction
- 800W output power
- Full electronic protection
- Telecom quality
- Field-proven design topology



The PFL 800-110 is a 800W, rugged, low profile, AC/DC converter with power-factor-corrected input. It utilizes half-bridge topology after the PFC-input stage to deliver 110Vdc at 7.27A. The built-in output separation diode makes the unit suitable for battery charging applications. Higher output power or N+1 configuration can be achieved with two or more units. Output voltage and current can be simultaneously displayed via optional digital meters located on the front panel. The PFL 800-110 features full electronic protection, high efficiency and low output noise. It is suitable for industrial and other applications in adverse environments where 110VDC is required.

## SPECIFICATIONS

<p><b>Input Voltage</b> 95VAC to 264VAC universal 47 - 64Hz</p>	<p><b>Output Voltages</b> 110Vdc/7.27A at full input range. 127Vdc for float-charging also available. Consult factory for other voltages</p>	<p><b>Output Ripple/Noise</b> High frequency ripple is less than 30mVrms or 200mVpp (20MHZ BW) 60Hz ripple is 20mVrms max.</p>	<p><b>Dimensions</b> 1.75" x 19" x 20"</p>
<p><b>Power Factor</b> Min 0.97 at full load for the entire input range. Meets EN61000-3-2 standards.</p>	<p><b>Efficiency</b> Min 80% at full load</p>	<p><b>Hold Up Time</b> Minimum 20ms at full load</p>	<p><b>Input/ Output Connections</b> Compression type terminals</p>
<p><b>Input Protection</b> Thermal fuse (internal) Inrush current limiting</p>	<p><b>Line/Load Regulation</b> ± 1.5% combined from zero load to full load</p>	<p><b>Operating Temperature</b> 0° C to +50° C with fan cooling.</p>	<p><b>Metering (Optional)</b> Digital output voltage and current meters on front panel</p>
<p><b>Isolation/Standards</b> 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.</p>	<p><b>Output Over-voltage Protection</b> Double regulator loop</p>	<p><b>Temperature Drift</b> 0.03% per °C over operating temperature range</p>	<p><b>Weight</b> 12lbs (5.4kg)</p>
<p><b>EMI</b> EN 55022 Class B</p>	<p><b>Overload Protection</b> Rectangular current limiting with short circuit protection Thermal shutdown with automatic reset in case of insufficient airflow</p>		

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  
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