

180W, Rugged, AC/DC Industrial Power Supply EOL 59 Series

- Rugged construction
- Industrial quality
- Single regulated and adjustable output
- 180W output power
- Full electronic protection
- Field-proven design
- Also available as plug-in module
- N+1 redundancy available
- Competitively priced



The EOL 59 Series AC/DC power supply uses a field proven high frequency push-pull topology to generate 180W output power. The EOL 59 is ruggedly constructed to ensure long operating life in demanding environments. The chassis-mount design features low component count and high efficiency. Cooling is by convection/conduction. The use of high quality components, large design headrooms and rigorous quality control ensure outstanding reliability. The demonstrated MTBF exceeds 1,000,000 hours confirmed by a track record established in hundreds of applications. The EOL 59 is also available in Eurocard plug-in format.

SPECIFICATIONS

<p>Input Voltage 115/230Vac +/- 15% 47 - 63Hz Voltage selection by internal jumper</p>	<p>Output Voltage/Current 12V/16A; 24V/8A or 48V/4A are standard Consult factory for other voltages</p>	<p>Efficiency Output voltage dependent . Typically 80% at full load</p>	<p>Control Input None</p>
<p>Input Protection Inrush current limiting Varistor Internal safety fuse Lower voltage than the specified min. input will not damage the unit</p>	<p>Redundancy Diode None. Available as option on customized designs</p>	<p>Operating Temperature Range 0 to +50 °C for full specification, Extended temp. range available</p>	<p>Alarm Output None on standard version</p>
<p>Isolation 2250VDC input to chassis 4300VDC input to output; 8mm spacing 500VDC output to chassis</p>	<p>Line/Load Regulation +/- 1% combined from zero load to full load</p>	<p>Temperature Drift 0.03% per °C over operating temperature range</p>	<p>Dimensions F1 Enclosed: 4.43" x 2" x 7.78" Plug-in module: 3U x 160mm x 12HP</p>
<p>Standards Designed to meet EN 60950 and corresponding UL and CSA standards</p>	<p>Dynamic Response Max 5% voltage deviation for 10% to 50% load step, with better than 1msec recovery time</p>	<p>Cooling Convection and conduction cooling via a base-plate</p>	<p>Weight 0.8kg (1.7lb) for enclosed version</p>
<p>EMI EN55022 Class A as a minimum</p>	<p>Output Ripple / Noise Less than 1% peak to peak or 0.2%rms of the output voltage (20MHZ BW)</p>	<p>Environmental Protection Basic ruggedizing Full ruggedizing and conformal coating as option</p>	<p>Connections F1 enclosed: 9-pole barrier type terminal block with 3/8" spacing Plug-in module: H15 DIN connector</p>
<p>Switching Frequency 55 KHz +/- 3KHz</p>	<p>Output Overload Protection Rectangular current limiting with short-circuit protection (no hiccup) Thermal shutdown in case of insufficient cooling (self resetting)</p>	<p>MTBF 200,000 hours @ 45 °C (calculated) Demonstrated MTBF exceeds 1,000,000 hours at typical operating temperatures</p>	<p>RoHS Compliance (Directive 2002/95/EC) According to requirements</p>
<p>Hold Up Time Min. 5ms at full load for 5% drop of the output voltage</p>	<p>Output Over-voltage Protection Second regulator loop, completely stable and independent of main regulator loop</p>	<p>Indicators Only on plug-in version</p>	<p>Warranty Twelve months subject to application within good engineering practice.</p>

Enhancements to these general specifications and customizing can be accommodated upon request. 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 BABT-approved Facility.



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