

200W, Rugged, AC/DC Industrial Power Supply OLC 53-FT Series

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



The OLC 53 Series AC/DC power supply uses a field proven high frequency push-pull topology to generate 200W output power. For 300W output power, please see the OLC 53F version with built-in fans. Almost any DC output is possible for this series. The OLC 53 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 components with many years of established reliability and generous headroom results in a high demonstrated MTBF. The OLC 53 is manufactured at our plant under strict quality control.

SPECIFICATIONS

<p>Input Voltage 115/230Vac +/- 15% 47 - 63Hz Voltage selection by internal jumper</p>	<p>Output Voltage/Current 12V/16A; 24V/8A, 48V/4A or 125V/1.6A Consult factory for other voltages</p>	<p>Efficiency Output voltage dependent . Typically 80% at full load</p>	<p>Control Input None Available as option</p>
<p>Input Protection Inrush current limiting Varistor Internal safety fuse Lower voltage than the specified minimum input will not damage the unit</p>	<p>Redundancy Diode Available as option</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 tempera range</p>	<p>Dimensions F2: 112.4 x 57.2 x 256 mm (4.43"x 2.25" x 10.08") including terminal block and flanges Mounting holes are clear</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 1.13 kg (2.5 lb)</p>
<p>EMI EN55022 Class B</p>	<p>Output Ripple / Noise Less than 1% of output voltage 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 9-pole barrier type terminal block with 3/8" spacing</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 150,000 hours @ 45 °C (calculated) Demonstrated MTBF is significantly higher.</p>	<p>RoHS Compliance (Directive 2002/95/EC) According to requirements</p>
<p>Hold Up Time Min. 10ms at any input 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 None Available as option</p>	<p>Warranty Two years 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.



ABSOPULSE ELECTRONICS LTD
110 Walgreen Road
Ottawa, Ontario. K0A 1L0. CANADA
Tel: (613) 836-3511 Fax: (613) 836-7488
E-mail: absopulse@absopulse.com
www.absopulse.com