

## 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><b>Input Voltage</b> 115/230Vac +/- 15% 47 - 63Hz Voltage selection by internal jumper</p>	<p><b>Output Voltage/Current</b> 12V/16A; 24V/8A, 48V/4A or 125V/1.6A Consult factory for other voltages</p>	<p><b>Efficiency</b> Output voltage dependent . Typically 80% at full load</p>	<p><b>Control Input</b> None Available as option</p>
<p><b>Input Protection</b> Inrush current limiting Varistor Internal safety fuse Lower voltage than the specified minimum input will not damage the unit</p>	<p><b>Redundancy Diode</b> Available as option</p>	<p><b>Operating Temperature Range</b> 0 to+50 °C for full specification, Extended temp. range available</p>	<p><b>Alarm Output</b> None on standard version</p>
<p><b>Isolation</b> 2250VDC input to chassis 4300VDC input to output; 8mm spacing 500VDC output to chassis</p>	<p><b>Line/Load Regulation</b> +/- 1% combined from zero load to full load</p>	<p><b>Temperature Drift</b> 0.03% per °C over operating tempera range</p>	<p><b>Dimensions</b> 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><b>Standards</b> Designed to meet EN 60950 and corresponding UL and CSA standards</p>	<p><b>Dynamic Response</b> Max 5% voltage deviation for 10% to 50% load step, with better than 1msec recovery time</p>	<p><b>Cooling</b> Convection and conduction cooling via a base-plate</p>	<p><b>Weight</b> 1.13 kg (2.5 lb)</p>
<p><b>EMI</b> EN55022 Class B</p>	<p><b>Output Ripple / Noise</b> Less than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20MHZ BW)</p>	<p><b>Environmental Protection</b> Basic ruggedizing Full ruggedizing and conformal coating as option</p>	<p><b>Connections</b> 9-pole barrier type terminal block with 3/8" spacing</p>
<p><b>Switching Frequency</b> 55 KHz +/-3KHz</p>	<p><b>Output Overload Protection</b> Rectangular current limiting with short-circuit protection (no hiccup) Thermal shutdown in case of insufficient cooling (self resetting)</p>	<p><b>MTBF</b> 150,000 hours @ 45°C (calculated) Demonstrated MTBF is significantly higher.</p>	<p><b>RoHS Compliance</b> (Directive 2002/95/EC) According to requirements</p>
<p><b>Hold Up Time</b> Min. 10ms at any input for 5% drop of the output voltage</p>	<p><b>Output Over-voltage Protection</b> Second regulator loop, completely stable and independent of main regulator loop</p>	<p><b>Indicators</b> None Available as option</p>	<p><b>Warranty</b> Two years subject to application within good engineering practice.</p>



European Stocking Distributor  
Phone: +41 44 730 33 53

Email: [sales@hvps-condatas.com](mailto:sales@hvps-condatas.com) / [www.hvps-condatas.com](http://www.hvps-condatas.com)  
Rietbachstrasse 7, 8952 Schlieren (ZH), Switzerland