

150W, Universal Input Rugged AC/DC Power Supply MIW 150 Series

- Industrial quality
- 95 to 264Vac universal input
- Single output
- 150W output power
- Convection/conduction cooling
- Full electronic protection
- Field-proven design
- N+1 redundancy available



This single output power supply provides 150W output from a 4" x 6.4" standard size class PCB. Advanced IGBT technology and optimized magnetics ensure high efficiency and outstanding reliability. The input accepts any AC voltage from 95V to 264V as well as DC voltage from 120V to 360V. Standard outputs are 12V, 24V, 36V, 48V, 72V or 125Vdc. It is very high quality yet competitively priced. It meets safety approval requirements, is conduction or convection cooled, fully protected and available with a short delivery time. A redundancy option is also available. The MIW 150 is manufactured at our plant under strict quality control and is competitively priced.

SPECIFICATIONS

<p>Input Voltage 95V to 264Vac 47-420Hz 120Vdc to 360Vdc</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>Isolation 2250VDC input to chassis 4300VDC input to output 8mm spacing 500VDC output to chassis</p> <p>Standards Designed to meet EN 60950 and corresponding UL and CSA standards</p> <p>EMI EN55022 Class B</p> <p>Switching Frequency 47 KHz +/-2KHz</p> <p>Hold Up Time Minimum 10ms at full load for 5% drop of output voltage at 120Vac and higher input</p>	<p>Output Voltage/Current 12V/12A, 24V/6A; 36V/4.1A; 48V/3A; 72V/2A or 125V/1.2A are standard. Consult factory for other voltages</p> <p>Redundancy Diode Built-in redundancy diode available as option.</p> <p>Line/Load Regulation +/- 1% combined from zero load to full load</p> <p>Dynamic Response Max 5% voltage deviation for 10% to 50% load step, with better than 1msec recovery time</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>Output Overload Protection Rectangular current limiting with hiccup mode short-circuit protection on both outputs Thermal shutdown in case of insufficient cooling (self resetting)</p> <p>Output Overvoltage Protection Double regulator loop on both outputs</p>	<p>Efficiency Output voltage dependent. Typically 80% at full load</p> <p>Operating Temperature Range 0 to 50°C for full specification installed on heat-sinking surface with good air flow</p> <p>Temperature Drift 0.03% per °C over operating temperature range</p> <p>Cooling Conduction to customer heatsink or chassis and natural convection</p> <p>Environmental Protection Basic ruggedizing Optional conformal coating</p> <p>Humidity 5 – 95% non-condensing</p> <p>MTBF 170,000 hours @ 45 °C Demonstrated MTBF exceeds 1,000,000 hours at typical operating temperatures</p> <p>Indicators None on standard version</p>	<p>Control Input None</p> <p>Alarm Output None on standard version Available as option</p> <p>Packaging/Connections: <u>Open PCB version:</u> PCB size 4" x 6.4" (105mm x 162mm) Barrier-type terminal block or Connector: H15 DIN Weight: 0.384 kg (0.85 lb)</p> <p><u>Enclosed case version (F1):</u> Case size 4.43"x2.00"x7.78" 197mm x 112mm x 110mm Barrier-type terminal block or Connector: H15 DIN Weight: 0.74 kg (1.64 lb)</p> <p><u>Plug-in Module version (E1):</u> Eurocard size 3U x 160mm x 10HP Connector: H15 DIN</p> <p>RoHS Compliance (Directive 2002/95/EC) According to requirements</p> <p>Warranty Twelve months subject to application within good engineering practice</p>
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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 BAPT-approved Facility.



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