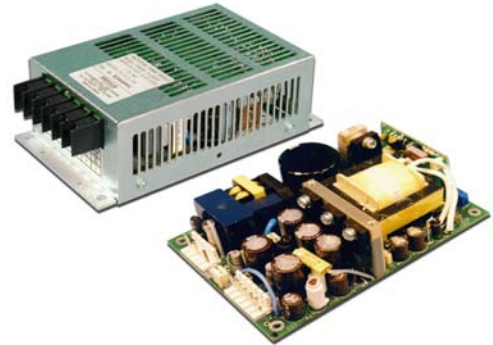


100W, UNIVERSAL INPUT POWER SUPPLY

3 OUTPUTS, 3.5" X 5" PCB SIZE

MIW 103 SERIES

- Up to 3 outputs
- Made in North America
- Very high quality
- Competitive price
- Meets all approval requirements
- Input 95VAC-264VAC or 120-360VDC
- Conduction cooled - no fan
- Fully protected
- Stock or short delivery



This three output power supply has up to 100W output power in a 3.5" x 5" size. The input accepts any AC voltage from 95V to 264V as well as DC voltage from 120V to 360V. The main 5V output is galvanically isolated from the other two outputs which have a common return and are typically configured as $\pm 12V$. The +5V and -12V are fully regulated and the +12V is semi-regulated (tracking the 5V output). The standard output configuration is +5V/6A, +12V/3A and -12V/1A. The MIW 103 is manufactured in North America and is of very high quality, yet competitively priced. It meets all approval requirements, is conduction cooled, fully protected and is available with a short delivery time.

SPECIFICATIONS

<p>Input Voltage 95VAC to 264VAC; 47-420Hz 120VDC to 360VDC</p> <p>Input Protection Thermal Fuse Inrush current limiting</p> <p>Input Isolation/safety 2250VDC input to chassis 4300VDC input to output 8mm spacing 500VDC output to chassis</p> <p>Full compliance to IEC950, CSA22.2-950 and UL1950. Please consult factory for approval status for the requested input/output configuration</p> <p>EMI Meets EN 55022 Class A (Class B optional)</p>	<p>Output Voltages +5V/6A, +12V/3A and -12V/1A, standard. Consult factory for other voltages</p> <p>Line/Load Regulation */-1% combined from no load to full load for the 5V and -12V outputs, +/-5% for the +12V output</p> <p>Output Overvoltage Protection Double regulator loop</p> <p>Overload Protection Current limiting with short circuit protection (hiccup mode)</p> <p>Efficiency Min 76% at full load</p>	<p>Output Ripple/Noise Better than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20MHZ BW)</p> <p>Hold Up Time Minimum 5ms at full load for 5% drop of output voltage at 120V and higher input</p> <p>Operating Temperature 0 to +50°C (depending on available conduction)</p> <p>Temperature Drift 0.03% per °C over operating temperature range] MTBF 100,000 at 45°C</p>	<p>Dimensions PCB Size: 3.5" x 5" Component height: 1.5" Weight: Open Frame - 0.6 lb. Enclosed case: 7.78"x 4.43"x2.00"</p> <p>Connections and Packaging: <u>Open PCB version:</u> Header pins with 0.156" spacing or screw-type terminal block</p> <p><u>Enclosed case version:</u> Screw-type terminal block or 90° header pins with 0.156" spacing</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.
Designed to meet all approval requirements.

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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