

100W, UNIVERSAL INPUT POWER SUPPLY

DUAL OUTPUT, 3" X 5" PCB SIZE

MIW 102 SERIES

- Highest output power in its class
- Made in North America
- Very high quality
- Competitive price
- Meets all approval requirements
- Input 95VAC-264VAC or 120-360VDC
- Conduction/convection cooled - no fan
- Two isolated outputs
- Fully protected
- Stock or short delivery



This double output power supply has an unmatched output power in its 3" x 5" standard size class. The input accepts any AC voltage from 95V to 264V as well as DC voltage from 120V to 360V. Standard outputs are 2 x 12V/3A each; 2 x 24V/4A total; 2 x 36V/3A total; 2 x 48V/2A total; 2 x 130V/0.75A total. The outputs are galvanically isolated from each other, therefore can also be configured into +/- double supply application or used in series for double output voltage. The outputs can also be connected in parallel to create a single output with double current capability. The MIW 102 is manufactured in North America and is of very high quality yet competitively priced.

SPECIFICATIONS

Input Voltage

95VAC to 264VAC; 47-420Hz
120VDC to 360VDC

Input Protection

Thermal Fuse
Inrush current limiting

Input Isolation/Safety

2250VDC input to chassis
4300VDC input to output
8mm spacing
500VDC output to chassis

Compliance to IEC950 and CSA 22.2-950 and UL1950. Please consult factory for approval status for the requested input/output configuration

EMI

Meets EN 55022 Class A conducted emissions (Class B optional).

Output Voltages

2 x 12V/3A each; 2 x 24V/4A total
2 x 36V/3A total; 2 x 48V/2A total;
130V/0.75A
Consult factory for other voltages

Line/Load Regulation

+/-1% combined from no load to full load for the main output
+/-5% for the second output

Output Over-voltage Protection

Double regulator loop

Overload Protection

Current limiting with short circuit protection (hiccup mode)

Efficiency

Min 80% at full load

Output Ripple/Noise

Better than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20MHZ BW)

Hold Up Time

Minimum 10ms at full load for 5% drop of output voltage at 120V and higher input

Operating Temperature

0 to +50°C (depending on available cooling). Extended temperature range available

Temperature Drift

0.03% per °C over operating temperature range

MTBF

100,000 at 45°C

Dimensions

PCB Size: 3" x 5"
Component height: 1.5"
Enclosed case: 3.4" x 6.1" x 1.9"
Weight: Open Frame - 0.5 lb.

Connections and Packaging:

Open PCB version:
Header pins with 0.156" spacing or screw-type terminal block

Enclosed case version:

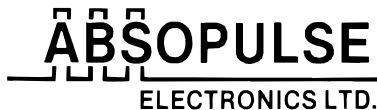
Screw-type terminal block or 90° header pins with 0.156" spacing

Warranty

Twelve months subject to application within good engineering practice

Enhancements to these general specifications and customizing can be accommodated upon request.
Designed to meet common approval requirements. 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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