

150W, UNIVERSAL INPUT POWER SUPPLY

Dual Output 4" X 6.4" (100mm x 160mm) Eurocard PCB Size

MIW 152 SERIES

- Highest output power in its class
- Made in North America
- Very high quality
- Input 95VAC-264VAC or 120-360VDC
- Dual output
- Both outputs fully regulated
- Convection or Conduction cooled - no fan
- Fully protected



This double output power supply has an unmatched output power in its 4" x 6.4" standard size class. 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 5V/12A and 12V/3A or 5V/12A and 15V/3A - other output voltages are available. The MIW 152 meets common approval requirements, is fully protected and convection or conduction cooled. A redundancy option is available. This power supply is competitively priced, manufactured in North America and available with short delivery time.

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

Designed to meet EIC950, CSA 22-2-950 and UL 1950
Please consult factory for approval status for the requested input/output configuration

EMI

Meets EN 55022 Class A conducted emissions

Output Voltages

5V/12A & 12V/3A or
5V/12A & 15V/3A are standard.
Consult factory for other voltages

Line/Load Regulation

+/-1% combined from no load to full load on each output

Output Overvoltage Protection

Double regulator loop

Overload Protection

Current limiting with short circuit protection (hiccup mode)

Efficiency

Min 80% at full load

Output Ripple/Noise:

Less 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 (installed on heat sinking surface) Extended temperature range available

Temperature Drift

0.03% per °C over operating temperature range

MTBF

100,000 hours at 45°C

Connections and Packaging:

Open PCB version:
PCB size 4" x 6.4" (105 x 162mm)
Screw-type terminal block or H15 DIN connector

Enclosed case version (E1):
Case size 7.78"x 4.43"x2.00"
(197mm x 112mm x 110mm)
Screw-type terminal block or H15 DIN connector

Plug-in Module version (E1):
Eurocard size 3U x 160mm x 10HP
H15 DIN connector

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 BAPT-approved Facility.

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