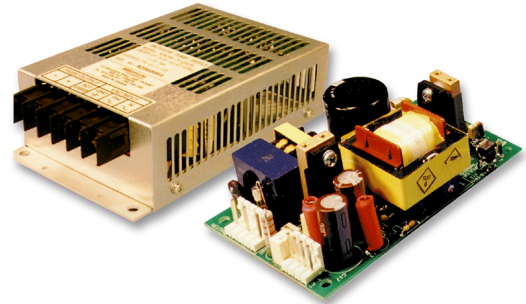


# 100W, UNIVERSAL INPUT POWER SUPPLY

## 3" X 5" PCB SIZE

### MIW 99/100 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
- Single output
- Fully protected
- Stock or short delivery



This single output power supply has an unmatched output power in its 3" x 5" 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, 12V, 24V, 36V, 48V, 72V or 130VDC. The MIW99 covers the 12V and lower output versions, and the MIW100, the 24V and higher output voltages. The units are manufactured in North America and are of very high quality yet competitively priced. They are cooled by a combination of convection and conduction via the base plate. The units are also fully protected, meet all approval requirements, and are available with a short lead-times.

## SPECIFICATIONS

### Input Voltage

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

### Input Protection

Thermal Fuse  
Inrush current limiting

### Isolation

2250VDC input to chassis  
4300VDC input to output  
500VDC output to chassis

Compliance to IEC950, CSA  
C22.2 No. 950 and UL 1950.

Please contact factory for approval  
status for the required input/output  
configuration

### EMI

Standard design meets  
requirements for  
EN 55022 Class A.  
(Class B optional).

### Output Voltages

MIW99: 5V/10A, 12V/8A  
MIW100: 24V/4A; 36V/3A;  
48V/2A; 72V/1.5A or  
130V/0.75A are standard. Consult  
factory for other output voltages.

### Efficiency

Min 76% at full load

### Line/Load Regulation

+/-1% combined from no load to  
full load

### Output Overvoltage Protection

Double regulator loop and  
Transzorb clamp

### Overload Protection

Current limiting with short circuit  
protection (hiccup mode)

### 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 conduction)

### 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 (FT): 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**

**ABSOPULSE**  
ELECTRONICS LTD.

**ABSOPULSE ELECTRONICS LTD**

110 Walgreen Road  
Carp, Ontario K0A 1L0

Tel: (613) 836-3511 Fax: (613) 836-7488 E-mail: [absopulse@absopulse.com](mailto:absopulse@absopulse.com)  
Visit us at [www.absopulse.com](http://www.absopulse.com)