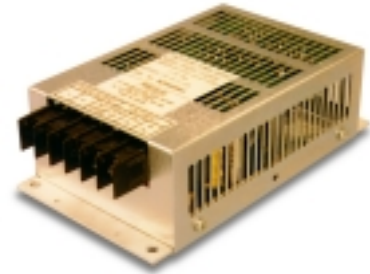


# HOW100 100W Medical Grade Power Supply

95-264VAC or 120-360VDC IN 5-130VDC OUT

- Highest output power in its class
- Made in North America
- Very high quality
- Competitive price
- Approved to CSA-C22.2 No. 601.1-M90 and conforms to UL2601-1
- Input 95VAC-264VAC
- Convection/conduction cooled - no fan
- Single output
- Fully protected
- Short delivery



This single output power supply has an unmatched output power in its standard size class. The earth leakage current is less than 250 $\mu$ A, making the unit suitable for medical applications. The input accepts any AC voltage from 95V to 264V as well as DC voltage from 120V to 360V. It meets all approval requirements, is convection-conduction cooled, and fully protected. 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

Input to output: 4300V DC  
Input to case: 2200V DC  
Output to case: 1414V DC

Compliance to IEC950, CSA  
C22.2 No. 950 and UL 1950  
Please contact factory for approval  
status for the required input/output  
configuration

### EMI

EN 55022 Class B

### Output Voltages

Any voltage 5V...130VDC

### Line/Load Regulation

$\pm$ 1% combined from no load to  
full load

### Leakage Current

Less than 250 $\mu$ A,  
(lower than CSA-C22.2 No. 601.1-  
M90 requirements)

### Output Overvoltage Protection

Double regulator loop and  
Transzorb clamp

### Overload Protection

Current limiting with short circuit  
protection (hiccup mode)

### Efficiency

Min 80% at full load

### Output Ripple/Noise

Better than 0.5% of output voltage  
peak to peak or 0.1% rms (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 $^{\circ}$ C (depending on  
available cooling)

### Temperature Drift

0.03% per  $^{\circ}$ C over operating  
temperature range

### MTBF

150,000 at 45 $^{\circ}$ C

### Dimensions

Enclosed case: 86 x 155 x 48mm  
3.4" x 6.1" x 1.9"  
Weight: 1.285lb (0.583kg).

### Connections:

Screw-type terminal block

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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