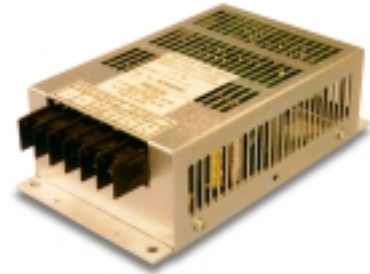


Medical Grade, 100W, Universal Input Power Supply

HOW 100 Series

- 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 μ 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 μ 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°C (depending on
available cooling)

Temperature Drift

0.03% per °C over operating
temperature range

MTBF

150,000 at 45°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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