

100W UNIVERSAL INPUT POWER SUPPLY

SINGLE OUTPUT, PLUG-IN MODULE

EOW 70 SERIES

- Single output
- Made in North America
- High quality, competitive price
- Meets all approval requirements
- Conduction/convection cooled - no fan
- Optional front-panel adjustment
- Fully protected



The EOW 70 Series of off-line converters is an advanced, field-proven design utilizing a single-FET forward topology. The switching frequency for the standard version is 50kHz. The unit is fully protected and is manufactured using high quality components which contributes to MTBF ratings exceeding 100,000 hours.

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 as a minimum

Output Voltages

12V/8A; 24V/4A; 36V/3A;
48V/2A; 130V/0.75A
Consult factory for other voltages

Line/Load Regulation

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

Output Overvoltage Protection

Double regulator loop and Transorb clamp as (option)

Overload Protection

Current limiting with short circuit protection (hiccup mode)

Efficiency

Min 80% typical (depending on input/output configuration)

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 airflow).
Extended temperature range available

Temperature Drift

0.03% per °C over operating temperature range

MTBF

100,000 at 45°C

Dimensions

PCB Size: 100mm x 160mm
Component height: 1.125"
Plug-in module: 3Ux160mm x8HP
F1package: 7.8" x 4.43" x 2"

Connections and Packaging:

Plug-in module:
H15 connector on module
Screw type terminal block on shelf

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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