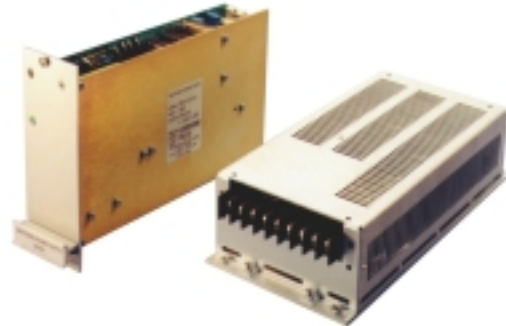


60W OFF-LINE POWER SUPPLY SINGLE OUTPUT, PLUG-IN MODULE EOL 70 SERIES

- 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 EOL 70 Series of off-line converters is an advanced, field-proven design utilizing a dual-FET diagonal half-bridge topology. The switching frequency for the standard version is 125kHz. The unit is fully protected and is manufactured using high quality components which contributes to MTBF ratings exceeding 100,000 hours.

SPECIFICATIONS

Input Voltage

115/230VAC +/- 15%
47 - 63Hz
Auto-ranging available

Input Protection

Thermal Fuse
Inrush current limiting

Input Isolation/Safety

2250VDC input to chassis
4300VDC input to output
8mm spacing
500VDC output to chassis

Full 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

Output Voltages

12V/5A; 24V/2.5A; 36V/1.6A;
48V/1.25A
Consult factory for other voltages

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)

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
conduction),
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
Enclosed F1 case: 7.775" x 4.425"
x 2.00"

Connections and Packaging:

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

Enclosed case version:

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 all approval requirements.

**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

110 Walgreen Road
Carp, Ontario K0A 1L0 CANADA

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