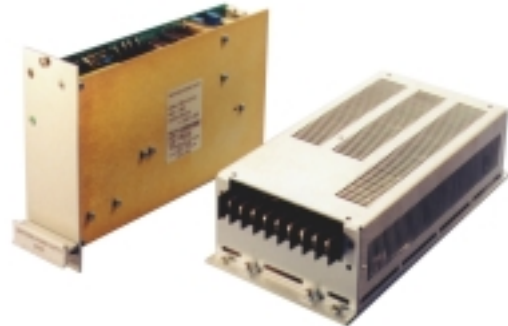


# 60W OFF-LINE POWER SUPPLY SINGLE OUTPUT, PLUG-IN MODULE EOL 70 SERIES

- 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**

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