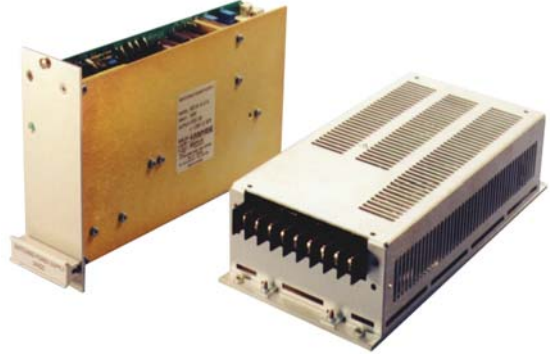


## 60W, Triple-Output Power Supply EOL 76 Series

- Triple output
- Plug-in or stand alone
- Industrial quality
- Meets all approval requirements
- Conduction/convection cooled - no fan
- Optional front-panel adjustment
- Fully protected
- Field-proven design



The EOL 76 Series off-line power supply 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

**Input Protection**

Internal safety fuse  
Inrush current limiting  
Varistors  
Lower voltage than the specified minimum input will not damage the unit

**Input Isolation/Safety**

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

**Standards**

Designed to meet EN60950 and related standards CSA and UL standards

**EMI**

Meets EN 55022 Class A

**Hold Up Time**

Minimum 10ms at full load for 5% drop of output voltage at nominal input

**Output Voltages**

5V/6A ± 12V/1A  
Consult factory for other voltages

**Redundancy Diode**

Optional

**Line/Load Regulation**

± 1% combined from no load to full load

**Dynamic Response ???**

Max 5% voltage deviation for 10% to 50% load step, with better than 1msec recovery time

**Output Ripple/Noise**

Better than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20MHZ BW)

**Output Overload Protection**

Current limiting with short circuit protection (hiccup mode)

**Output Overvoltage Protection**

Double regulator loop and Transzorb clamp

**Efficiency**

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

**Operating Temperature**

0 to +50°C at full power without de-rating. Extended temperature range available

**Temperature Drift**

0.03% per °C over operating temperature range

**Cooling**

Natural convection and conduction via base plate

**MTBF**

100,000 hours at 45°C  
Demonstrated MTBF is significantly higher

**Indicators**

None

**Control Input**

None

**Alarm Output**

None

**Environmental Protection**

Basic ruggedizing

**Dimensions**

PCB Size: 100mm x 160mm  
Component height: 1.125"  
Enclosed F1: 4.43" x 2" x 7.78"  
Plug-in module: 3Ux160mm x 8HP

**Weight**

F1: 1.64 lb (0.74 kg)

**Connections**

F1 package: barrier type terminal block  
Plug-in module: H15 connector

**Warranty**

Twelve months subject to application within good engineering practice

Enhancements to these general specifications and customizing can be accommodated upon request.

*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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