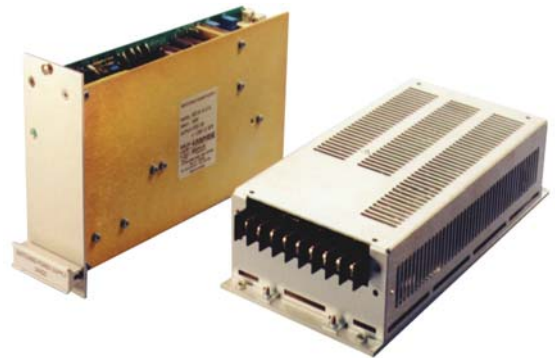


60W, Triple-Output Power Supply EOL 76 Series

- 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 \pm 12V/1A
Consult factory for other voltages

Redundancy Diode

Optional

Line/Load Regulation

\pm 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



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