

# 180W, SINGLE OUTPUT POWER SUPPLY

## EOL90 SERIES

- Compact size - 10.0" x 4.43" x 2.25"
- Single regulated and adjustable output
- 180W output with conduction cooling
- Full electronic protection
- Telecom quality
- Field-proven design topology
- Also available as plug-in module
- N+1 redundancy available



The EOL90 Series of AC/DC converters uses high frequency dual FET forward topology to generate 180W of output power. Virtually any DC output is possible with short delivery times. This low profile design features low component count and high efficiency. The use of high quality components and rigorous quality control results in an MTBF exceeding 100,000 hours at 45°C.

### SPECIFICATIONS

#### Input Voltage

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

#### Input Protection

Thermal Fuse  
Inrush current limiting

#### Input Isolation

2250VDC input to chassis  
4300VDC input to output,  
8mm spacing  
500VDC output to chassis  
Full compliance to IEC950, CSA  
C22.2 No. 950 and UL 1950  
Please contact factory for approval  
status for the requested  
input/output configuration

#### EMI

Meets EN 55022 Class A

#### Output Voltages/Currents

12V/15A; 24V/7.5A, 48V/3.75A,  
standard  
Consult factory for other voltages

#### Line/Load Regulation

+/-1% combined

#### Output Over-voltage Protection

Double regulator loop

#### Overload Protection

Current limiting with short circuit  
protection  
Self-resetting thermostat for  
thermal protection

#### Efficiency

Min 80% at full load

#### Output Ripple/Noise

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

#### Hold Up Time

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

#### Operating Temperature

0 to +50°C, unit must be mounted  
on a heat sinking surface  
Extended temperature range  
available

#### Temperature Drift

0.03% per °C over operating  
temperature range

#### Dimensions

'F'2 Package:  
10" x 4.43" x 2.25"

#### Connections:

Screw type terminal block  
For other connectors please  
consult factory

#### Warranty

Twelve months subject to  
application within good  
engineering practice

Enhancements to these general specifications can be accommodated upon request  
Designed to meet common 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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