

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 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 BABT-approved Facility*

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