

180W, SINGLE OUTPUT PLUG-IN POWER SUPPLY EOL59 SERIES - FOR MODULAR SYSTEMS

- Compact size - 3U x 10HP x 160mm Eurocard
- 180W output with convection cooling
- 250W with forced air cooling
- Single, regulated and adjustable output
- Full electronic protection
- Telecom quality
- Field-proven design topology
- Also available in stand-alone package
- N+1 redundancy available



The EOL59 Series of AC/DC converters uses high frequency half-bridge topology to generate up to 250W output power per plug-in module. 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. The EOL59 modules are housed in a 3U x 19" or 23" shelf and can be parallel-connected for greater output power and/or to achieve n+1 redundancy. The shelf is pre-wired for up to 7 modules for a maximum output power of 1260W(19" shelf) with convection cooling or 1750W with forced air. Input/output connectors for the shelf are via screw-type terminals blocks located at the rear of the shelf. Options include input/output breakers, fused distribution panel, current & voltage meters and custom alarms. Converter Fail alarm is standard.

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

Output Voltages/Currents

12V/12A; 24V/7.5A; 48V/3.75A
standard with convection cooling.
Consult factory for other voltages

Line/Load Regulation

+/-1% combined

Output Overvoltage Protection

Double regulator loop

Overload Protection

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

Efficiency

Min 80% at full load

RFI Suppression

Meets FCC 20780 Class A
and EN 55022 Class A
conducted emissions; Class B
as option.

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.
Extended temperature range
available

Temperature Drift

0.03% per °C over operating
temperature range

Dimensions

Module: 3Ux 160mm x 12HP
Shelf: 3U x 19" or 23" x 10"

Connections:

Plug-in module: H15 Connector
Shelf: screw type terminal block
on rear of shelf
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 BAPT-approved Facility**

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