

# 180W, DUAL OUTPUT PLUG-IN POWER SUPPLY EOL95 SERIES - FOR MODULAR SYSTEMS

- Compact size - 3U x 12HP x 220mm Eurocard
- 180W output with convection cooling
- Full electronic protection
- Telecom quality
- Field-proven design topology
- Also available in stand-alone package
- N+1 redundancy available



The EOL95 Series of AC/DC converters uses high frequency dual FET forward topology to generate 180W 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. The EOL95 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). 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

+/-24V/3.7A, +/-48V/1.8A,  
standard  
Consult factory for other voltages

### Line/Load Regulation

\*/-3% 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

### RFI Suppression

Meets FCC 20780 Class A  
and EN 55022 Class A  
conducted emissions

### 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: 3U x 220mm x 12HP  
Shelf: 3U x 19" or 23" x 12.5"

### 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 BABT-approved Facility**

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