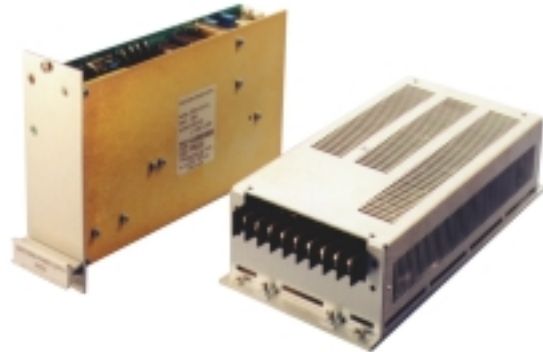


# 150W, SINGLE OUTPUT DC/DC CONVERTER

## BOP 09 SERIES

### ENCLOSED CASE OR EUROCARD

- Compact size - 3U x 160mm x 8 ...12HP
- 150W output with convection cooling
- Full electronic protection
- Telecom quality
- Field-proven design topology



The BOP 09 Series of DC/DC converters uses high frequency push-pull forward topology to generate 150W of output power. Virtually any DC output is possible with short delivery times. This 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**

Any DC input from 24V to 125VDC  
24V and 48VDC are standard

**Input Protection**

Thermal Fuse  
Inrush current limiting

**Input Isolation**

1500VDC input to chassis, & input to output,  
500V 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**

Virtually any DC output from 12V to 125VDC  
24V/6A and 48V/3A 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

**EMI**

EN 55022 Class A as minimum

**Output Ripple/Noise**

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

**Operating Temperature**

0 to +50°C with sufficient convection airflow.  
Enclosed unit must be mounted on a heat sinking surface.  
Extended temperature range available

**Temperature Drift**

0.03% per °C over operating temperature range

**Dimensions**

Eurocard 3Ux160mmx8 .. 12HP  
Enclosed package (F1):  
197mm x 112mm x 110mm  
(7.775" x 4.425" x 2.00" )

**Connections:**

H15 connector for Eurocard  
Screw type terminal block for enclosed version.

**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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