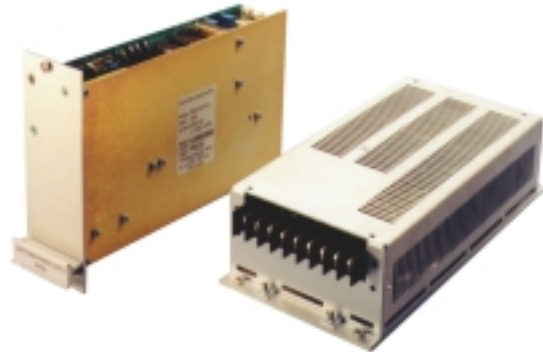


BOP 09 150W SINGLE OUTPUT 3U DC/DC CONVERTER

24-125VDC IN 12-125VDC OUT

- 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

\pm 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

EN 55022 Class A
conducted emissions 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

ABSOPULSE
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