

BAF236 200W HOT PLUG DC/DC CONVERTERS

FEATURES

- * 200W per module or 1200W per 19" shelf
- * Front panel adjustment & LED status
- * Hot insertable
- * Fully protected
- * High MTBF, Telecom quality
- * High efficiency
- * 1 year warranty
- * Field-proven design



The BAF236 Series was specifically designed to meet the stringent demands of the telecom market. Built under a rigorous quality assurance program, this field-proven design uses only high-quality components and, consequently, has an MTBF rating exceeding 300,000 hours (@ Ta=45°C). Each module has an output of 200W, which can be paralleled to attain multi-kilowatt power systems. The units are fully input/output protected and the standard models meet requirements for FCC 20780 Class A and EN55022 Class A conducted emissions. The series is available as a hot-insertable, plug-in module or in a complete rack, including optional fused distribution panels. Stand-alone packages are also available.

SPECIFICATIONS

Input Voltage

24VDC & 48VDC (+/-15%) are standard, please consult factory for other voltages.

Input Protection

Reverse polarity protection
Low input voltage shutdown
Thermal Fuse
Inrush current limiting

Input Isolation

500VDC input to chassis and input to output, minimum
Higher isolation available, please consult factory

Full compliance to IEC950, CSA 22-2-950 and UL 1950
Please contact factory for approval status for the requested input/output configuration

Output Voltages

Up to 200W per module with convection cooling
12V/16A, 24V/8A and 48V/4.2A outputs are standard
Consult factory for other voltages

Efficiency

85% typical depending on the input/output configuration

Line/Load Regulation

Typically +/-1.0% combined from no load to full load depending on output voltage

Output Protection

Rectangular current limiting with short circuit protection
Thermal shutdown with automatic recovery in case of reduced airflow

EMI

EN 55022 Class A

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 (standard model with convection cooling)
Extended temperature range available

Temperature Drift

0.03% per °C over operating temperature range

MTBF

300,000 at 45°C

Connections:

H15 DIN connector

Other terminations available, please consult factory

Mechanical

3U x 14HP x 220mm (module)
3U x 19" or 23" x 10.5" (shelf)

Alarm

Converter Fail standard
For other alarm requirements, 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.

Designed to meet all approval requirements. Specifications subject to change

Designer and manufacturer of quality converters, inverters, UPS systems, complete rack mount systems and DC-input fluorescent lamp inverters since 1982. Standard or custom.

Absopulse is a BAPT approved facility.

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