

BAP419 500W SINGLE OUTPUT DC/DC CONVERTER 12-360VDC IN 12-125VDC OUT

- Compact size
- Single regulated and adjustable output
- 500W output power
- Full electronic protection
- Telecom quality
- Field-proven design
- Also available as plug-in module
- N+1 redundancy available



The BAP419 Series of DC/DC converters uses a field proven high frequency push-pull topology to generate 500W of output power with convection cooling. Virtually any DC input/output combination is possible with short delivery times. The chassis-mount design features low component count and high efficiency. The use of high quality components and rigorous quality control results in an MTBF exceeding 200,000 hours at 45°C.

SPECIFICATIONS

Input Voltage

Any DC input from 12V to 360VDC
24V and 48VDC are standard

Input Protection

Thermal Fuse
Inrush current limiting

Input Isolation

Full compliance to IEC950, CSA 22-2-950 and UL 1950 Please contact factory for approval status for the requested input/output configuration
min 500VDC

EMI

Meets EN 55022 Class A

Output Voltages

Virtually any DC output from 12V to 125VDC
24V/20A & 48V/10A 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

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 convection.
Extended temperature range available

Temperature Drift

0.03% per °C over operating temperature range

Dimensions

'FX' Package:
13.824" x 6.00" x 2.625"
Plug-in module:
4Ux16HPx304mm

Connections:

Enclosed FX package:
Screw type terminal block.

Plug-in module:
H15 connector on module
Screw-type terminal block on shelf

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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