

BAP319 500W SINGLE OUTPUT DC/DC CONVERTER

- Compact size -13.824" x 5.100" x 2.41"
- 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 BAP319 Series of DC/DC converters uses a field proven high frequency push-pull topology to generate 500W 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 24V to 125VDC
24V and 48VDC are standard

Input Protection

Thermal Fuse
Inrush current limiting

Input Isolation

500VDC input to chassis,
input to output,
output to chassis

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

Virtually any DC output from 12V
to 125VDC
24V/20A & 48V/10A standard
Consult factory for other voltages

Line/Load Regulation

+/-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

Meets FCC 20780 Class A
and EN 55022 Class A
conducted emissions as a
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 convection.
Extended temperature range
available

Temperature Drift

0.03% per °C over operating
temperature range

Dimensions

'F4' Package:
13.824" x 5.100" x 2.41"

Connections:

Screw type terminal block.

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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