

BAP600 600W DC/DC CONVERTER

21-60VDC IN 12-120VDC OUT

- Competitive price
- Stock or short delivery
- Compact size
- Full electronic protection
- Made in North America
- Telecom quality
- Field-proven design topology



The BAP600 Series is a compact DC/DC converter with two internal BAP236 modules, which uses established design techniques to deliver up to 700W output power depending on the input/output configuration. A wide selection of input and output voltages are available off-the-shelf or with short lead times. Suitable for a wide range of applications, the BAP 600 features full electronic protection, high efficiency and low output noise. The built-in fan provides sufficient airflow for operation without de-rating, up to 50°C ambient temperature. Options include extended operating temperature (-40 to +65°C) and N+1 redundancy.

SPECIFICATIONS

Input Voltage

21-30VDC and 42-60VDC ranges standard. Other inputs upon request

Input Protection

Thermal fuse
Inrush current limiting

Input Isolation/Safety

1000VDC input to chassis
1000VDC input to output
500VDC output to chassis

Full compliance to IEC950, CSA 22-2-950 and UL 1950

Please consult factory for approval status for the requested input/output configuration

Output Voltages

12V/50A; 24V/25A; 48V/13A; or 120V/5A are standard
Consult factory for other voltages and output currents

Efficiency

Typical 90% at full load

Line/Load Regulation

± 1% combined
Tighter regulated versions with sensing available

Output Overvoltage Protection

Double regulator loop

Overload Protection

Rectangular current limiting with short circuit protection
Thermal shutdown with automatic reset in case of insufficient airflow

EMI

EN 55022 Class A
Class B versions available

Output Ripple/Noise

Better than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20MHZ BW)
Audio band noise: max. 32dBmC

Operating Temperature

0° C to +50° C

Temperature Drift

0.03% per ° C over operating temperature range

Dimensions

F6: 5" x 4.31" x 11.34" case size
Can be mounted on a 3U x 19" or 23" panel for rack mount applications

Connections

Copper studs with nuts or terminal block

Output Fail Alarm

Via optocoupler - C-E
(normal operation: low)

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. 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. Custom or standard.

Absopulse is a BAPT-approved Facility

