

## 750W POWER SUPPLY IN 5" X 5" X 12" PACKAGE BAP750 SERIES

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



The BAP750 Series is a highly compact DC/DC converter which uses established design techniques to ensure high reliability. A wide selection of output voltages are available with short delivery times or off-the-shelf. Suitable for a wide range of applications, the BAP750 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), form C 'converter fail' alarm and N+1 redundancy.

### SPECIFICATIONS

#### Input Voltage

21-30VDC or 42-60VDC  
higher inputs upon request

#### Input Protection

Thermal fuse

#### Input Isolation/Safety

1500VDC input to chassis  
1500VDC input to output  
8mm spacing  
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/62A; 24V/30A; 36V/20A;  
48V/15A; 72V/10A; 96V/7.5A or  
120V/6A are standard  
Consult factory for other voltages

#### Efficiency

Min 80% at full load

#### Line/Load Regulation

+/-1% combined

Tighter regulated versions  
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

#### RFI Suppression

Meets FCC 20780 Class A  
and EN 55022 Class A  
conducted emissions

#### 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

5" x 5" x 12" enclosed case  
Can be mounted on a 3U x19" or  
23" panel for rack mount  
applications

#### Connections

Copper studs with nuts

#### 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

**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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