

# 150W, TRIPLE-OUTPUT PLUG-IN DC/DC CONVERTER BAB 210 SERIES

- Very compact
- 3 individually regulated and adjustable outputs
- Individual current limiting for each output
- Up to 150W output power
- Full electronic protection
- Telecom quality
- Field-proven design topology
- N+1 redundancy available



The BAB 210 Series of DC/DC converters uses advanced high frequency conversion technology to meet the most demanding applications. Virtually any DC output combination is possible with short delivery times. This compact design features low component count and high efficiency. The use of professional quality components and rigorous quality control results in an MTBF exceeding 100,000 hours at 45°C.

## SPECIFICATIONS

### Input Voltage

24VDC, 48VDC or 72VDC  
± 20%.

For other inputs consult factory.

### Input Protection

Thermal Fuse  
Inrush current limiting  
Reverse polarity protection  
by crossbar diode.

### Input Isolation

500VDC input to chassis  
500 VDC input to output  
500VDC 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.

### Efficiency

Min 80% at full load

### Output Voltages

5..5.2V/12A; +12..15V/3A &  
-12..15V/3A standard  
120W with convection,  
Max 150W with forced air cooling  
Consult factory for other voltages

### Line/Load & Cross Regulation

+/-1% combined for all outputs

### Output Overvoltage Protection

Double regulator loop on main  
output, clamps on auxiliary  
outputs

### Overload Protection

Current limiting with short circuit  
protection

Self-resetting thermostat for  
thermal protection

### EMI

Meets requirements for FCC Class  
B and EN55022 Class B  
conducted emissions

### 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

### Temperature Drift

0.03% per °C over operating  
temperature range

### Dimensions

Plug-in: 3Ux 220mm x 8HP (1.6")  
Stand-alone: 4.42" x 10.0" x 2.25"

### Connections:

Plug-in module: H15 Connector  
Stand-alone: screw-type terminal  
block

### 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

**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**

**ABSOPULSE**  
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