

BAB210 150W 3-OUTPUT 3U PLUG-IN DC/DC CONVERTER

24-72VDC IN 5 & +/-12..15VDC OUT

- 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 BAB210 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
ELECTRONICS LTD.

Jim D. Gray & Associates, Inc. - Dist.

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