

1200W POWER SUPPLY IN 5" X 5" X 12" PACKAGE

HBC1200 SERIES

- Compact size
- Adjustable output
- Up to 1200W of output power
- Full electronic protection
- Telecom quality
- Field-proven design topology



The HBC1200 Series is a highly compact AC/DC converter which uses established design techniques to ensure high reliability. Standard outputs for 115VAC input are 24V/50A; 48V/25A. Suitable for a wide range of applications, the HBC1200 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. The power factor corrected version is also available - PFC1500 Series.

SPECIFICATIONS

Input Voltage
115/230VAC +/-15%
switch selectable (47 - 63Hz)

Input Protection
Thermal fuse
Inrush current limiting

Input Isolation/Safety
2250VDC input to chassis
4300VDC 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

EMI
Meets EN 55022 Class A

Output Voltages
24V/50A & 48V/25A; standard
Consult factory for other voltages

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

Efficiency
Min 80% at full load

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. 32dBnC

Hold Up Time
Minimum 10ms at full load for 5%
drop of output voltage

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
Weight: 11 lb. (5kg).

Connections
Screw-type terminal block

Output Fail Alarm
CE opto-coupler output
(normal operation: low)
Relay contacts optional

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 BABT-approved Facility**

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