

BCH1663 150W BATTERY CHARGER 95-264VAC or 120-360VDC IN 13-55VDC OUT

- Made in North America
- Very high quality
- Competitive price
- Input 95VAC-264VAC
- Conduction/convection cooled - no fan
- Fully protected
- Single output



The BCH1663 series unit is a universal AC input 150W charger. Advanced IGBT technology and optimized magnetics ensure high efficiency and outstanding reliability. The input accepts any AC voltage from 95V to 264V as well as DC voltage from 120V to 360V. The BCH 1663 meets all common approval requirements, is conduction/conduction cooled and fully protected. It has a built-in charger fail alarm, low battery disconnect and reverse battery protection.

SPECIFICATIONS

Input Voltage

95VAC-264VAC
Input frequency 47...420Hz
120VDC to 360VDC

Input Protection

Thermal Fuse
Inrush current limiting

Input Isolation/Safety

2250VDC input to chassis
4300VDC input to output
8mm spacing
500VDC output to chassis

Designed to meet IEC950 and CSA 22.2-950 and UL1950. Please consult factory for approval status for the requested input/output configuration

Efficiency

Min 75% at full load

Output Voltages

13.8V/10.86A, 27.6V/5.43A,
55.2V/2.71A as separate modules.
150W max.
Consult factory for other voltages

Line Regulation

0.5%

Load Regulation

Max. \pm 1.5% from no load to full load

Output Overvoltage Protection

Double regulator loop, stable and independent of the main feedback loop

Overload Protection

Rectangular current limiting
Hiccup mode at short circuit or massive overload

Battery Polarity Protection

Installed with crossbar diode and thermal fuse

Low Battery Disconnect

Installed to prevent battery from deep discharge.

Charger Fail Alarm

Installed with Fail open or closed relay contacts (user select).

EMI

Meets EN 55022 Class A conducted emissions as minimum

Output Ripple/Noise

Better than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20MHZ BW)

Operating Temperature

0 to +50°C without de-rating. Extended temperature range available

Temperature Drift

0.03% per °C over operating temperature range

MTBF

100,000 at 45°C

Dimensions

Enclosed case: F2-B package
10" x 4.425" x 2.250"

Connections and Packaging:

Output: 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. 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

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