

# BHW Medical Lead Acid Battery Chargers

## Features

- 100-240 VAC
- In Case IEC
- Automatic Fast/Float Function
- LED Indicators
- Charges Lead Acid Batteries
- Optimizes Battery Life
- Meets Safety Agency Requirements
- Complies with EMI-RFI Regulations
- Impact Resistant Polycarbonate Enclosure
- Private Label Marking Available
- 3 Year Warranty
- Modified and Custom Designs Also Available

Ault Model	Battery Voltage DC	Output Amps	Switchover Amps	Fast Charge Volts DC	Float Charge Volts DC	Maximum Watts
BHW-06355-0003A	6	3.55	0.205	7.35	6.90	26
BHW-12200-0003A	12	2.00	0.165	14.70	13.80	29
BHW-24110-0003A	24	1.10	0.120	29.40	27.60	32

## Input

- Voltage 100-240 VAC  $\pm 10\%$
- Line Frequency 47 - 63 Hz
- Current 0.80A - 0.35A (Lower current with higher voltage)
- Protection Dual internal primary current fuse
- Configuration In Case IEC320 with ground

## Electrical

- Topology Switching - DC battery charger
- Dielectric Withstand 4000 VAC, 5656 VDC primary-secondary  
1500 VAC, 2150 VDC primary-ground  
500 DC secondary-ground
- Leakage Current Less than 0.5mA @ 264 VAC
- EMI Complies with EMC Directives
- CE CE Compliant
- MTBF 100,000 calculated hours
- Protection Foldback overcurrent.  
Short circuit protection

## Safety Approvals

- Agency Listings UL2601, CUL/NRTL for CSA 22.2 #601; TUV for EN60601-1

## LED Indicators

- Indicator #1 On (unit energized)  
(Green) Off (unit de-energized)
- Indicator #2 On (battery discharged)  
(Amber) Off (battery charged)

## Environment

- Operating Temperature 5° to 40° C with no derating
- Storage Temperature -30° to +85° C
- Relative Humidity 5% to 95% non-condensing
- Altitude 0-10,000 feet
- Cooling Convectional - non vented case

## Mechanical

- Case Dimensions LP7 - Desktop  
5.08 L x 3.05 W x 1.59 H (in)  
129 L x 77 W x 40 H (mm)
- Case Material Black 94V0 polycarbonate
- Weight 13 ounces, 370 grams (excluding cord)
- Cords and Connectors 6 ft., 2 conductor, 18 AWG, Ault #3 connector. Other connectors are also available.

**THREE YEAR WARRANTY**

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Contact Ault Inc. for all your custom design requirements. Phone: 763.592.1900 · Fax 763.592.1911