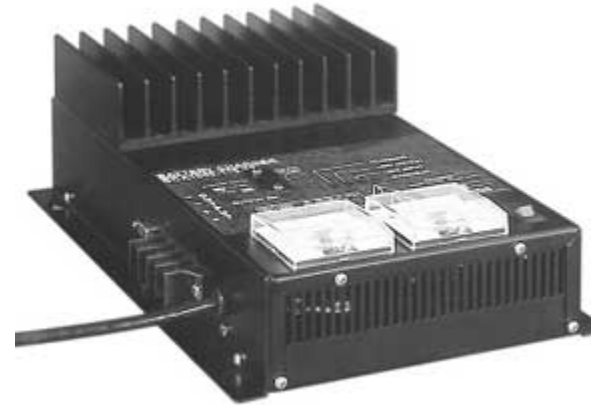


MajorBCA1000 32 Volt Marine Battery Chargers

MajorBCA1000 32 Volt Battery Chargers are marine-grade, adjustable units ideal for charging standard, deep cycle lead-acid, VRLA, or gel type batteries. These ultra-quiet units can be left permanently connected.

Extra input and output filtering reduce EMI to extremely low levels. Reliability features include an input fuse, thermal shutdown, current limiting, reverse battery hookup protection and output short circuit shutdown with automatic recovery. The output voltage is easily adjusted 0.5 volts above or below the standard output voltage.

The **MajorBCA1000** features equalize & temperature compensation, and remote control options. 1 or 2 high quality analog meters can be added (factory option) to allow monitoring of charging current and charging voltage.



Product Features

- Adjustable output voltage for charging standard or deep cycle lead-acid, VRLA or Gel type battery
- User selectable 2 or 3 stage charging profile
- Audible & visual indicators for low input voltage, low output voltage & over- temperature
- Over-temperature shutdown
- Short circuit protection
- Output overvoltage crowbar
- Current limiting
- Ultra-quiet low EMI operation
- Can be left permanently connected
- Dry contact output fail relay
- Remote control option
- One or two output ammeter option
- Equalize & temperature compensation option

Product Specifications

Efficiency	> 75 % @ maximum output
Stages	2 & 3 (user selectable)
Temp. Range	0 - 40o C @ maximum output
Isolation	Input-Case & Input-Output 1500 VDC, Output-Case 500 VDC
Dimensions	14.5 x 9.9 x 5.5 in / 36.8 x 25.1 x 14.0 cm
Clearance	1 Inch (2.5 cm) all around
Material	Marine Grade Aluminum
Finish	Black Powder Epoxy
Fastenings	18-8 Stainless
Weight	12 lb / 5.5 kg

Model Selection Guide

Model	MajorBCA1000-110-32	MajorBCA1000-220-32
Nominal (ip)	110	220
Actual (Vac)	105 - 125	210 - 250
Frequency (Hz)	45 - 65	45 - 65
Input Amps (max)	13.8	6.9

Nominal (op)	32
Float (Vdc)	36.3 ± 0.05
Absorption Voltage (Vdc)	38.4
Output Adjustment	± 0.5
Charging Amps	30
Absorption to Float	3 Amps
Battery Size (Amp Hours)	120 - 180
Battery Banks	1 or 2
Output Crowbar	42.7 ± 1.3 V