

## MajorBCA310 32 Volt Marine Battery Chargers

**MajorBCA310** 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. Multiple stages of filtering reduce radiated or conducted noise to very low levels.

Extra features include adjustable output voltage, audible and visual indicators for low input voltage, low output voltage and over temperature. Safety features include reverse input protection, over-temperature shutdown, current limiting, short circuit protection with automatic recovery, input undervoltage shutdown, reverse battery protection and output overvoltage crowbar.

Optional features include a dry contact alarm relay output, and remote panel monitoring with On/Off control.



### 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

## Product Specifications

<b>Efficiency</b>	> 75 % @ maximum output
<b>Stages</b>	2 & 3 (user selectable)
<b>Temp. Range</b>	0 - 40o C @ maximum output
<b>Isolation</b>	Input-Case & Input-Output 1500 VDC, Output-Case 500 VDC
<b>Dimensions</b>	9.1 x 7.8 x 2.5 in / 23.1 x 19.8 x 6.4 cm
<b>Clearance</b>	1 Inch (2.5 cm) all around
<b>Material</b>	Marine Grade Aluminum
<b>Finish</b>	Black Powder Epoxy
<b>Fastenings</b>	18-8 Stainless
<b>Weight</b>	4.0 lb / 1.8 kg

## Model Selection Guide

<b>Model</b>	<b>MajorBCA310-110-32</b>	<b>MajorBCA310-220-32</b>
<b>Nominal (ip)</b>	110	220
<b>Actual (Vac)</b>	105 - 125	210 - 250
<b>Frequency (Hz)</b>	45 - 65	45 - 65
<b>Input Amps (max)</b>	3.5	1.8

<b>Nominal (op)</b>	32
<b>Float (Vdc)</b>	36.3 ± 0.05
<b>Absorption Voltage (Vdc)</b>	38.4
<b>Output Adjustment</b>	± 0.5
<b>Charging Amps</b>	7.5
<b>Absorption to Float</b>	0.75 Amps
<b>Battery Size (Amp Hours)</b>	30 - 45
<b>Battery Banks</b>	1 or 2
<b>Output Crowbar</b>	42.7 ± 1.3 V