

# BattCom

## Automatic Battery Combiner

### *The Easy Way to Charge Two Batteries from a Single Source*

93-BATTCOM-A                      Automatic Battery Combiner  
93-STARTNWRMT-A                Remote Indicator (optional)

Charge your second battery bank without the losses associated with isolation diodes or the inconvenience of a battery switch. The microprocessor controlled BattCom automatically detects charging power from an alternator or battery charger and combines the Start and House batteries for charging. Upon stopping the engine or removing the battery charger, the BattCom will disconnect, allowing both batteries to provide power independently of each other. With the extra heavy duty contacts, stainless steel connection terminals and a fully waterproof case, the BattCom is built to meet the high standards you demand from a battery combiner.

#### **Features:**

- For use in multiple battery applications
- Required House Battery & Cables not included
- Microprocessor controlled.
- Will not allow DC loads (such as entertainment systems & trolling motor) to drain the Start Battery
- Battery Combiner for automatic recharging
- 12 volt operation
- Heavy Duty contacts rated at 280 Amps
- Draws negligible current in standby mode. Will not deplete your batteries
- Works with Flooded Lead Acid, AGM, and Gel Batteries
- Isolates both batteries when not charging.
- Allows a power source, such as an alternator, to charge both batteries
- Optional Visual Remote Indicator (VRI) displays when BattCom is active

#### **Items you will need to complete the installation:**

1. Two (2) 12 volt batteries. (Start Battery and House battery)
2. Cables to connect the BattCom battery between the Start and House batteries.

The table below will help you choose the proper wire gauge.

<b>Engine Size</b>	<b>Wire Gauge (minimum)</b>
Outboard [less than 250 HP]	10 AWG
Gas I/O or Inboard Engine [5.0 liters or less]	10 AWG
All others	6 AWG
Optional VRI	22 AWG

**Mounting:**

Mount BattCom near the Start and House Batteries using screws and washers provided.

**Connections:** [Refer to the connection diagram on the side of the BattCom]

1. Route wires from the batteries to ring lugs (not provided). Do not connect to batteries at this time.
2. Insert the insulating boot over the wire and ring lug. On BattCom, place the ring lug with wire over the stud and secure with split locking washer and nut. Tighten. Cover the connection with the insulating boot. [red boots over SB+ and HB+ studs, black boot over GND stud.] Do not interchange the SB+ and HB+ connections.
3. Optional VRI: Connect red lead to Battcom's Remote Indicator stud and cover with boot. Connect black lead to a convenient ground location (usually under the dashboard) or either battery's negative terminal.
4. Connect to batteries

**Automatic Operation:**

1. BattCom will recharge the House Battery once the Start Battery has received sufficient charge from the engine's alternator or an external battery charger. (VRI: Slow flashing light)
2. VRI only: If the House Battery's voltage is low, BattCom will display a fast flashing light.

**Charging the both batteries with a battery charger (not supplied):**

To properly charge both batteries, place the battery charger across the Start Battery. BattCom will detect the charger's operation and recharge the House Battery once the Start Battery has received sufficient charge.

**Warranty:**

The CHARLES Marine and Industrial Group warrants the BattCom will be free from defects in materials and workmanship which cause mechanical failure for one (1) year, as set forth in the Limited Warranty. You must provide notice of any alleged defect in material or workmanship within thirty (30) days of discovering the problem, and within the warranty period. Contact the Service Center to obtain warranty service.

**FCC Statement:**

FCC Class B: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: 1.) This device may not cause harmful interference, and 2.) this device must accept any interference received, including interference that may cause undesired operation.

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Made in the USA

**Wiring Diagram:**

