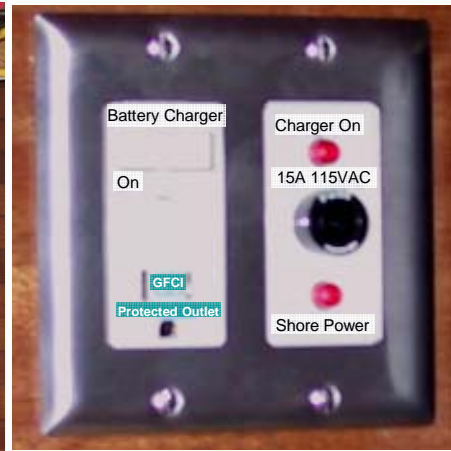


## Rhapsody Shore Power & Battery Charger Operation

Rhapsody Shore Power has a single 115VAC 15A GFCI Outlet and Battery Charger control located on the starboard side, above chart table, just aft of DC Switch & Fuse Panel.



**Rhapsody Electrical Control Area**



**115V Control Panel**

### Connecting to Shore Power:

1. Make sure rocker switch on 115V Control Panel is off. Unplug anything in the GFCI protected outlet.
2. Power Cord (100 feet - yellow) with standard 115VAC grounded plug is located in starboard cockpit locker. There is a 30Amp Marine Plug adapter to standard 115V grounded outlet kept in the top step storage. Run the power cord along the boat and dock as required to the source of shore power.
3. Tie cord as necessary to keep it out of the water. Make sure plug is clean and dry. If there is evidence of corrosion on plug, clean and spray WD-40 on metal prongs.
4. Plug power cord into shore power and turn on pier breaker if required.
5. Look on 115V Control Panel and make sure "Shore Power" lamp is on.
6. Turn on Battery Charger with rocker switch. The "Charger On" lamp should be on. The Battery charger may remain on whenever shore power is available.
7. 115V 15A GFCI outlet is available for use.

**Safety Warning:** The 115VAC outlet is NOT fused, only the battery charger is fused. Both the outlet and battery charger share the same GFCI protection circuit that disconnects both from shore power if a ground fault is detected. The "Shore Power" indicator will stay on to show that power is available. To reenergize the outlet, clear the source of the ground fault and press the reset button below the rocker switch.

### Disconnecting Shore Power:

1. Turn off rocker switch on 115V Control Panel is off. Unplug anything in the GFCI protected outlet. The "Charger On" indicator should be dark.
2. Open shore power pier breaker if required, and then unplug the Yellow Power Cord. Return plug adapter if used to storage in top step.
3. Untie cord as necessary being careful to keep it out of the water.
4. Coil Power Cord, and store in starboard cockpit locker in the forward section.

Fuses: Batter Charger output 15Amp 32V ATO Blade – located inside charger access cover  
Batter Charger input 15Amp 115V 3AB Cartridge – located on 115V Control Power

# Rhapsody Shore Power & Battery Charger Operation

## Procedure for Setting up Charger for New Batteries:

1. Make sure power is disconnected to the Battery Charger
2. Remove access cover from aft end of charger (4 small Phillips head screws)
3. There is a slide switch recessed in front of the 115VAC terminals – slide this switch up for Flooded type batteries or down for Gel type batteries.
4. Replace access cover on charger

Battery Charger: Xantrex Truecharge TC10TB, part # 804-0111 serial # B10793868

Owner's Manual: <http://www.xantrex.com/web/id/453/docserve.asp>

## Description from Website

### High Performance, Multistage Charging

Truecharge multistage battery chargers are microprocessor controlled for fast and accurate charging of all deep-cycle 'house' batteries. A wide AC input voltage range enables proper delivery of a full three-stage charge, even when charging from less than perfect quality shorepower or generator power. Smart features, such as adjustable temperature compensation and independent settings prevent battery damage due to overcharging and also help extend the life of expensive batteries. All Truecharge battery chargers come with a one year warranty.

### Truecharge 10/10TB

- 10 amp DC output
- Microprocessor controlled, multistage charging
- Charges up to two battery banks simultaneously (Truecharge 10TB)
- Covered terminal block with screw terminals for safe and easy connection (Truecharge 10TB)
- Settings for flooded or gel lead-acid batteries
- Wide voltage range operation (90-135 VAC, 50/60 Hz)
- Automatic 21-day top-up program

### Protection Features

- Over-temperature shutdown and overload protection
- Ignition protected for installation in gas engine compartments (10TB)
- Transformer isolated for safety and to protect against electrolysis
- Reverse polarity protection
- Short-circuit and surge protection

### Electrical Specifications

Output current 10 A @ 14.5 V nominal

Output voltage (nominal)

Charge 14.2 - 14.4 VDC

Float 13.5 - 13.8 VDC

DC output connections dual

Output fuses 15 A 32 V

AC input voltage 90-135 VAC, 50/60 Hz

Temperature compensation none

Charger efficiency 85% approx.

Recommended battery type gel / flooded

### General Specifications

Operating temperature 32° F to 104° F (0° C to 40° C)

Storage temperature -13° F to 158° F (-25° C to 70° C)

Battery connection two separate positive terminals, one common negative terminal

AC and DC connections six position terminal block with No. 8 screws (for ring terminals with maximum 0.42 OD)

Dimensions (H x W x D) 2.75 x 6.5 x 10.65" (70 x 165 x 270 mm)

Weight 3.0 lb (1.4 kg)

Warranty One year

