

TrueCharge10TB Smart Battery Chargers

TrueCharge10TB is a 10-amp multi-stage battery charger with an enclosed terminal block.

Designed to be hard wired into your electrical system, the **TrueCharge10TB** is ideal for batteries from 25 amp-hours to 200 amp-hours. The multi-stage charge is microprocessor-controlled, ripple-free and faster charging than many 15, 20, and 30 amp rated ferroresonant battery chargers.

The accurate delivery of the three-stage charge eliminates the risk of overcharged or boiled batteries. The ripple-free, filtered DC output helps prolong the life of batteries.

Smart Battery Chargers are designed for Marine Applications, Recreational Vehicles, and Industrial Applications. Their multi-stage charging capabilities are ideal for ripple-free performance and prolonged battery life.

Smart Battery Chargers are able to recharge multiple battery banks simultaneously, know when to stop charging to avoid cell damage, and provide exceptional charging performance when charging from inconsistent line voltage.



Product Features

- **Fully Automatic Operation**
 - ▶ Charger can be left permanently attached to batteries for true "connect and forget" operation. **TrueCharge** monitors charging voltage, current, and time, to make a truly smart decision about when to stop charging.
- **Variable Battery Type Settings**
 - ▶ Adjust charger output for the different charging requirements of sealed (gel) lead-acid and conventional flooded (wet) batteries.
- **Charge Mode Selection Switch**
 - ▶ Select 3-step (bulk/absorption/float) or 2-step (bulk/absorption/off) depending on battery manufacturer recommendation. Select 13.5 volt fixed to use as a pure DC power supply.
- **Battery Status LED indicators**
 - ▶ Display stage of charge and battery ready status.
- **Temperature Compensation**
 - ▶ Adjust charging voltage to compensate for battery temperature, providing an accurate charge in any climate.
- **Three-Bank Battery Charging**
 - ▶ Three separate DC positive terminals.
- **Wide Input Voltage Range**
 - ▶ Charge output and accuracy not affected by 'drooping' shore power voltages as low as 90VAC.
- **Compact Size and Weight**
 - ▶ Designed for easy installation.
- **Available Options**
 - ▶ Remote display panel
 - ▶ Remote temperature sensor.
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- Overload protection, Over-temperature shutdown, Ignition protection.
- Non-sparking feature for safe battery connection.
- Reverse polarity and short-circuit protection.
- Transformer isolated to protect against electrolysis.
- CSA approved to CSA & UL standards for Marine, RV, and Industrial use.

Model Selection Guide

Models	TrueCharge10TB
Output Current	10 Amps Continuous
Input Voltage Range	90-135 VAC, 48-62 Hz; (200-250 VAC, 48-62 Hz International Version)
Output Voltage	(Depending on Settings)
Charge	14.2-14.4 VDC
Float	13.5-13.8 VDC
Battery Connections	2 +ve Terminals; 1 Common -ve
Efficiency	Approx. 85%
Operating Temp.	0° to +40° C
Storage Temp.	-25° to +70° C
Mechanical Specifications	
Weight	3.0 lbs / 1.4 kg
Length	10.75" / 273mm
Width	6.5" / 165 mm
Height	2.75" / 70 mm
Regulatory Approval	CSA/NRTL approved to CSA 107.2, UL1236, including ignition protection and the marine supplement
Warranty	1 Year Manufacturers Warranty

**All Specifications and Runtimes were provided by the manufacturer, Xantrex Technologies
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