



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 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)
- ▶ Easy battery connection with clip leads (Truecharge 10)
- ▶ Three settings for temperature compensation (Truecharge 10)
- ▶ Settings for flooded, gel or 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



NRTL/C

CSA/NRTL Certified to UL and CSA Standards

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10 amp Multistage Battery Chargers

Electrical Specifications

Models	Truecharge 10 / 10TB
Output current	10 A @ 14.5 V nominal
Output voltage (nominal, depending on settings)	
· Charge	13.8 - 14.8 Vdc / 14.2 - 14.4 Vdc
· Float	13.1 - 14.2 Vdc / 13.5 - 13.8 Vdc
DC output connections	Clip leads / Dual
AC input voltage	90-135 Vac, 50/60 Hz
Temperature compensation	Three settings / None
Charger efficiency	85% approx.
Recommended battery type	Gel and flooded
Recommended battery size	25 Ah to 100 Ah

General Specifications

Models	Truecharge 10 / 10TB
Operating temperature	0°C to 30°C / 0°C to 40°C
Storage temperature	-25°C to 70°C
Battery connection	Alligator clip leads / Two separate pos. terminal, one common neg. terminal
Dimensions (H x W x L)	2.75 x 6.5 x 9.0" (70 x 165 x 230 mm) 2.75 x 6.7 x 15.1" (70 x 172 x 385 mm)
Weight	3.0 lb (1.4 kg)
Warranty	One year
Part Number	804-0100 (Truecharge 10) 804-0111 (Truecharge 10TB)

Regulatory Approvals

Truecharge 10	CSA/NRTL approved to CSA 107.2, UL 1236
Truecharge 10TB	CSA/NRTL approved to CSA 107.2, UL 1236 , including the Marine Supplement and ignition protection

Note: Specifications subject to change without notice.

Three-stage Charging

Multistage charging ensures batteries receive optimum charging, but with minimal wear and tear, regulating the voltage and current delivered to the batteries in three automatic stages:

- ▶ **Bulk:** Replaces 70-80% of the battery's state of charge at the fastest possible rate.
- ▶ **Absorption:** Replenishes the remaining 20-30% of charge, bringing the battery to a full charge at a slow, safe rate.
- ▶ **Float:** Voltage is reduced and held constant in order to prevent damage and keep batteries at a full charge.