

## TrueCharge20+ Smart Battery Chargers

**TrueCharge20+** Micro-processor controlled, 20 amp continuous duty, multistage battery charger.

Ideal for deep-cycle marine, RV, and industrial batteries, the **TrueCharge20+** is designed for batteries from 100 amp-hours to 400 amp-hours. It offers three-bank battery charging capability with one charger.

Microprocessor controlled, it provides fully automatic battery charging for faster charging times than many 40 and 50 amp rated ferroresonant battery chargers. This is made possible via the four-stage charging capability of the TrueCharge20+.

**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, or Industrial use.

## Model Selection Guide

Models	TrueCharge20+
Output Current	20 Amps Cont.
Input Voltage Range	90-135 VAC, 48-62 Hz (200-250 VAC, 48-62 Hz International Version)
Output Voltage	(Depending on Settings)
Charge	13.8-14.8 VDC
Float	13.1-14.2 VDC
Equalize	15.5 VDC @ 4A
Battery Connections	Triple Output Terminals
Efficiency	Approx. 85%
Operating Temp.	0° to +40° C
Storage Temp.	-25° to +70° C
Mechanical Specifications	
Weight	5.5 lbs / 2.5 kg
Length	15" / 390 mm
Width	6.5" / 165 mm
Height	2.75" / 70 mm
Regulatory Approval	CSA/NRTL approved to 107.2* UL 458/1236*/1564 LR 86581 *including the Marine supplement for use on boats NRTL/C ignition protected <b>Other:</b> KKK-A-1822D compliance available by special order
Warranty	<b>1 Year Manufacturers Warranty</b>

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