

## Portable 10 Amp Multistage Battery Charger with Clip Leads



CSA/NRTL Certified to UL and CSA Standards

### High Performance, Light Duty Charging

Truecharge 10 is a 10-amp portable charger with an AC power cord and clip leads for quick DC connection. Microprocessor-controlled for fast and accurate charging of deep-cycle batteries, a wide AC input voltage range enables proper delivery to a full three-stage charge – even when charging from less than perfect quality shorepower or generator power. Truecharge 10 is recommended for flooded and gel battery banks rated 200 amp hours or lower.

### Product Features

- ▶ 10 amp output
- ▶ Microprocessor controlled, multistage charging
- ▶ Easy battery connection with clip leads
- ▶ Supports charging for flooded or gel lead-acid batteries
- ▶ Wide voltage range operation (90 to 135 VAC, 50/60Hz)
- ▶ Three settings for temperature compensation
- ▶ Automatic 21 day top-up
- ▶ Lightweight, compact size
- ▶ One year warranty

### Protection Features

- ▶ Over-temperature shutdown
- ▶ Non-sparking battery connection
- ▶ Transformer isolated for safety and to protect against electrolysis
- ▶ Reverse polarity protection (internal fuse)
- ▶ Short-circuit and surge protection

### Xantrex Technology Inc.

Headquarters  
8999 Nelson Way  
Burnaby, British Columbia  
Canada V5A 4B5  
800 670 0707 Toll Free  
604 420 1591 Fax

5916 195th Northeast  
Arlington, Washington  
USA 98223  
800 446 6180 Toll Free  
360 925 5144 Fax

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### Electrical Specifications

<b>Output current</b>	10 A at 14.5 V nominal
<b>Output voltage (nominal, depending on settings)</b>	
• <b>Charge</b>	13.8 - 14.8 VDC
• <b>Float</b>	13.1 - 14.2 VDC
<b>DC output connections</b>	clip leads
<b>Output fuse</b>	15 A 32 V
<b>AC input voltage</b>	90-135 VAC, 50/60 Hz
<b>Temperature compensation</b>	3 settings
<b>Charger efficiency</b>	85% approx.
<b>Recommended battery type</b>	gel / flooded

### General Specifications

<b>Operating temperature</b>	0°C – 30°C
<b>Storage temperature</b>	-25°C – 70°C
<b>Battery connection</b>	alligator clip leads
<b>Dimensions (HxWxD)</b>	2.75 x 6.5 x 9.0" (70 x 165 x 230 mm)
<b>Weight</b>	3.0 lb (1.4 kg)
<b>Warranty</b>	One year
<b>Part number</b>	804-0100

### Regulatory Approvals

CSA/NRTL approved to **CSA 107.2, UL 1236.**

Note: Specifications subject to change without notice.

### Battery Charge Times (Based on a recommended 50% discharge)

Battery Group	Approximate amp hours	Charge Time (hours)
U-1	30	2
24	75	5
27	100	6.5
4D	200	12.5

### 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.