

Truecharge 10i, 20i and 40i

xantrex

10, 20 and 40-amp Multistage Battery Chargers



Truecharge 10i

Truecharge 20i

Truecharge 40i

High Performance, Multistage Charging

Truecharge multistage battery chargers are microprocessor controlled for fast and accurate charging of all deep-cycle batteries. Built with a wide AC input voltage range, the chargers deliver a full three-stage charge, even when charging from shore power or generator power. All Truecharge battery chargers come with a one-year warranty.

Product Features

- ▶ Three models available: 10 amp, 20 amp and 40 amp DC output
- ▶ 10 amp: Single bank charging
- ▶ 20 amp/40amp: Dual-bank charging with 2 separate DC positive terminals
- ▶ Microprocessor-controlled, multistage charging (bulk/absorption/float)
- ▶ Easy battery connection with clip leads (10 amp)
- ▶ Settings for flooded (wet) or gel lead-acid batteries
- ▶ Wide voltage range operation (200-250 VAC, 50/60 Hz)
- ▶ Automatic 21-day top-up program
- ▶ Lightweight, compact size
- ▶ Optional remote LED display panel shows charge current and charger status
- ▶ Temperature compensation via selector switch or optional automatic temperature sensor
- ▶ Durable and corrosion resistant chassis
- ▶ Equalization mode

Protection Features

- ▶ Over-temperature shutdown and overload protection
- ▶ Non-sparking battery connection
- ▶ Transformer isolated for safety and to protect against electrolysis
- ▶ Reverse polarity protection
- ▶ 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

Distributed by



Advance Trident Ltd.
Unit #10 1029 Manly Road
Tingalpa, Brisbane
Australia
0733906900 Tel
0733906911 Fax
sales@advancetrident.com

10, 20 and 40-amp Multistage Battery Chargers

Electrical Specifications

| | Truecharge 10i | Truecharge 20i | Truecharge 40i |
|--|-----------------------|-------------------------------|-------------------------------|
| Output current | 10 A | 20 A continuous duty | 40 A continuous duty |
| Output voltage (nominal, depending on settings) | | | |
| · Charge | 13.8-14.8 VDC | 13.8-14.8 VDC | 13.8-14.8 VDC |
| · Float | 13.1-14.2 VDC | 13.1-14.2 VDC | 13.1-14.2 VDC |
| · Equalize | None | 15.5 VDC @ 5 A maximum | 15.5 VDC @ 5 A maximum |
| DC outputs | Clip leads | Two | Two |
| AC input voltage | 200-250 VAC, 50/60 Hz | 200-250 VAC, 50/60 Hz | 200-250 VAC, 50/60 Hz |
| Temperature compensation | Manual switch | 3 settings or optional remote | 3 settings or optional remote |
| Charger efficiency | 82% approx. | 85% approx. | 85% approx. |
| Recommended battery size | 25 Ah to 200 Ah | 100 Ah to 400 Ah | 200 Ah and up |

General Specifications

| | Truecharge 10i | Truecharge 20i | Truecharge 40i |
|--------------------------------------|----------------|---|---|
| Operating temperature | 0°C to 25°C | 40°C max. | 40°C max. |
| Storage temperature | -25°C - 70°C | -25°C - 70°C | -25°C - 70°C |
| AC connections | None | IEC plug | IEC plug |
| DC connections | Clip leads | Terminal block | Terminal block |
| Fan cooled | No | No | Yes |
| Dimensions (HxWxL) | 7 x 17 x 19 cm | 7 x 16.5 x 39 cm (including mounting brackets) | 7 x 16.5 x 39 cm (including mounting brackets) |
| Weight | 1.6 kg | 2.5 kg | 3.4 kg |
| Warranty | One year | One year | One year |
| Part No. | 804-2100 | 804-2270 | 804-2470 |
| Part No. (remote panel) | | 808-0200 | 808-0400 |
| Part No. (temperature sensor) | | 808-0231 | 808-0231 |

Regulatory Approvals

Truecharge 10i CSA/NRTL approved to CSA 107.2, UL 1236

Truecharge 20i/40i CE Marked according to the EMC Directive and Low Voltage Directive