

TRUECHARGE 2

Ultimate, High Performance, Worldwide Charging



Cargador de baterías Xantrex TrueCharge

TRUECharge™2 battery chargers lead the industry with a small footprint and ultra-compact design. In addition to meeting global safety and regulatory standards, TRUECharge2 battery chargers feature low electrical interference and efficient, power factor corrected multistage charging. Thanks to their inherent drip-proof design characteristics, the TRUECharge2 chargers can be mounted in multiple positions.

Designed for recreational and commercial applications worldwide, TRUECharge2 accepts 90 - 265 Vac, 47-63 Hz which makes traveling abroad and handling poor-quality power a breeze. The easy-to-read display of the TRUECharge2 20A, 40A and 60A 12V models can be augmented with an optional remote panel. Each models comes with built-in protection against surges and spikes on the AC power line.

NEW PARALLEL FEATURE

TRUECharge2 20A, 40A and 60A are equipped with NEW PARALLEL STACKING feature. This allows two chargers to work together to combine the output current, achieving up to 120A for large battery banks. This requires the optional Remote Panel (part #808-8040-01).

Performance Features

- Microprocessor-controlled, multistage charging algorithms
- Settings for two and three-stage charging
- Settings for flooded, gel, AGM or lead-calcium batteries
- Auto-ranging universal input voltage (90-265 Vac, 47-63 Hz) is also compatible with a generator or
- other low-quality power sources
- Power factor corrected, temperature-compensated charging
- Battery-equalization feature
- Ability to charge batteries designed to

- Ability to charge batteries drained to extremely low voltage
- Optional Battery temperature sensor (Part #808-0232-01)
- Optional Remote Panel (part #808-8040-01)

Protection Features

- Reverse battery polarity protection
- Drip-proof design
- Over and under-temperature protection
- DC over-voltage protection
- Battery overcharging protection

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 maintain batteries at a full charge.

Power Factor Corrected (PFC)

Less shorepower is required for charging batteries, freeing up more usable AC power for running electrical devices and appliances and reducing the likelihood of tripping shorepower breakers

SPECIFICATIONS

	12V 10A	12V 20A	12V 40A	12V 60A	24V 10A	24V 20A	24V 30A
Electrical Specifications							
Nominal voltage	12 Vcc	12 Vcc	12 Vcc	12 Vcc	24 Vcc	24 Vcc	24 Vcc
Output current (nominal)	10 Amp	20 Amp	40 Amp	60 Amp	10 Amp	20 Amp	30 Amp
Output voltage (depending on settings)							
Charge	14,2 - 15,5 Vcc	14,2 - 15,5 Vcc	14,2 - 15,5 Vcc	14,2 - 15,5 Vcc	28,4 - 31 Vcc	28,4 - 31 Vcc	28,4 - 31 Vcc
Float	13,4 - 13,8 Vcc	13,4 - 13,8 Vcc	13,4 - 13,8 Vcc	13,4 - 13,8 Vcc	26,8 - 27,6 Vcc	26,8 - 27,6 Vcc	26,8 - 27,6 Vcc
Equalize	n.d.	16 Vcc	16 Vcc	16 Vcc	32 Vcc	32 Vcc	32 Vcc
DC output connections	2	3	3	3	3	3	3
AC input voltage	90 - 265 Vac 47-63 Hz.						
Temperature compensation	Three settings						
Charger Efficiency	> 80 %	> 80 %	> 80 %	> 80 %	> 80 %	> 80 %	> 80 %
Battery type	Gel, Flooded, AGM, Pb-Ca						
Minimum	20 Ah	40 Ah	80 Ah	120 Ah	40 Ah	80 Ah	120 Ah


recommeded
battery size

General specifications

Operating temperature	0 a 65 °C				0 a 60 °C			
Battery connection	2 terminals 1 terminal	+ 3 terminals - 1 terminal	+ 3 terminals - 1 terminal	+ 3 terminals - 1 terminal	+ 3 terminals - 1 terminal	+ 3 terminals - 1 terminal	+ 3 terminals - 1 terminal	+ 3 terminals - 1 terminal
Dimensions (mm)	70 x 138 x 224	70 x 170 x 250	70 x 170 x 250	90 x 170 x 340	70 x 170 x 250	70 x 170 x 250	90 x 170 x 340	
Weight	1,5 Kg	2,2 Kg	2,2 Kg	4,5 Kg	2,2 Kg	2,2 Kg	4,5 Kg	
Warranty	2 years							
Accessories	-			Remote panel Battery temperature sensor				

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