

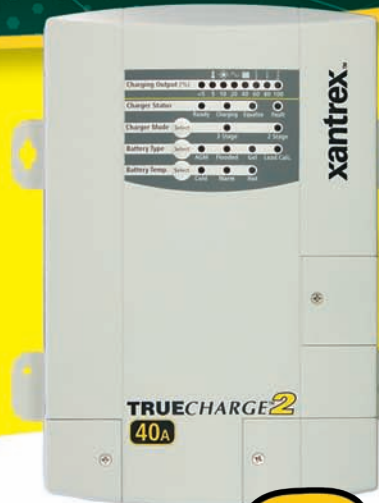


**Enerdrive**  
DRIVING YOUR ENERGY NEEDS

**12V 20A 40A 60A**

**NEW 24V 10<sup>24V</sup>A 20<sup>24V</sup>A 30<sup>24V</sup>A**

TRUECharge™2 Battery Chargers lead the industry with a small footprint and ultra-compact design. Delivering outstanding low electrical interference, coupled with efficient, power factor corrected, multistage charging capability.



# TRUECHARGE™2

TRUECharge2 battery chargers are highly versatile and can be mounted in multiple positions, thanks to their inherent drip free design characteristics. With certified ignition protection, even a marine engine room is a safe option for installation. Trouble free installation is ensured with easy-to-access AC and DC wiring compartments and reverse polarity battery protection. The easy-to-read display provides all charger information at a glance and can be extended with an optional remote panel.

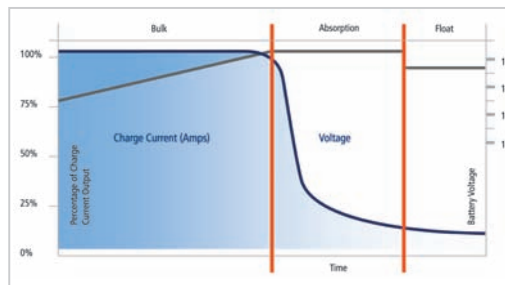
Designed for marine, mobile and commercial applications worldwide, TRUECharge2 battery chargers are unmatched for reliability. Available in both 12 and 24 volt models, they are versatile enough to be used in a wide variety of conditions and locations. Auto-ranging AC input voltage capability (90 - 270 Vac) makes travelling abroad and handling poor-quality power a breeze.

## Performance Features

- ▶ Microprocessor controlled, multistage charging algorithms
- ▶ Settings for two and three stage charging
- ▶ Settings for flooded, gel, AGM or lead-calcium batteries and lithium (via software programming)
- ▶ 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-Equalisation feature
- ▶ Ability to recharge deep cycle 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
- ▶ 12-volt models: 20A, 40A, 60A
- ▶ 24-volt models: 10A, 20A, 30A



## Three-Stage Charging

Multistage charging helps ensure 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.

PROVIDES UP TO

**2X OUTPUT CURRENT**



## NEW PARALLEL FEATURE

Both TRUECharge2 24 Volt & 12 Volt chargers are available with parallel stacking feature which allows you to double the output current when used with the new optional REMOTE PANEL (part #808-8040-01).



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Unit 11, 1029 Manly Road  
Tingalpa, Queensland, Australia 4173

Ph: 1300 851 535

Fax: 07 3390 6911

Email: sales@enerdrive.com.au

[www.enerdrive.com.au](http://www.enerdrive.com.au)



Electrical Specifications (@ 25°C unless otherwise noted)		
Models	TRUECHARGE2 - 12V - 20 A / 40 A / 60 A	TRUECHARGE2 - 24V - 10 A / 20 A / 30 A
Output current (nominal)	20 A / 40 A / 60 A	10 A / 20 A / 30 A
Output voltage (nominal, depending on battery type settings)		
- Charge	14.2 - 15.5 Vdc	28.4 - 31.0 Vdc
- Float	13.4 - 13.8 Vdc	26.8 - 27.6 Vdc
- Equalize	16 Vdc	32 Vdc
DC output connections	Three	Three
AC input voltage <sup>1</sup>	90 - 270 Vac 47 - 63 Hz 120 Vac, 230 Vac, 240 Vac nominal	90 - 265 Vac 47 - 63 Hz 120 Vac, 230 Vac, 240 Vac nominal
Temperature compensation	Three settings or optional remote battery temperature sensor	
Charger efficiency	> 80%	> 80%
Battery type	Gel, Flooded, AGM, Pb-Ca	Gel, Flooded, AGM, Pb-Ca
Minimum recommended battery bank size	20 A / 40 A Models = 100 Ah to 400 Ah 60 A Model = 200 Ah to 600 Ah	10 A / 20 A Models = 50 Ah to 200 Ah 30 A Model = 100 Ah to 300 Ah
General Specifications		
Models	TRUECHARGE2 - 12V - 20 A / 40 A / 60 A	TRUECHARGE2 - 24V - 10 A / 20 A / 30 A
Operating temperature <sup>2</sup>	0 to 60°C	0 to 60°C
Storage temperature	-40 to 80°C	-40 to 80°C
Battery connection	Three positive terminals - One negative terminal	
Dimensions (H x W x L)	20 A & 40 A - 70 x 170 x 250mm 60 A - 95 x 170 x 350 mm	10 A & 20 A - 70 x 170 x 250mm 30 A - 95 x 170 x 350 mm
Weight	20 A & 40 A - 2.2 kg 60 A - 4.5 kg	10 A & 20 A - 2.2 kg 30 A - 4.5 kg
Warranty	Two year	Two year
Part Numbers	804-1220 / 804-1240 / 804-1260	804-2410 / 804-2420 / 804-2430
Accessories		
Remote panel (suits Gen3 chargers only)	808-8040-01	808-8040-01
Battery temperature sensor (includes 6m lead)	808-0232-01	808-0232-01
Regulatory Compliance		
Complies with IEC 60335-2-29 including Australian deviations. Ingress protection rating IP32 per EN/IEC 60529.		

<sup>1</sup> 90 - 104 Vac  $\pm$  4 Vac output de-rated to 80% of full load current. <sup>2</sup> For all three models, the output current may derate above 50°C. Highly Accelerated Life Tested (HALT) to -20°C. Note: Specifications subject to change without notice.



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## ACCESSORIES



**Remote Panel**  
 Advanced Remote for Monitoring and Full Control of Battery Charger performance. The TRUECharge2 Remote Panel is designed for use with TRUECharge2 Battery Chargers. Part Number: 808-8040-01



**Temperature Sensor**  
 (with 6m lead).

The optional Temperature Sensor can be installed on TRUECharge2 to completely automate the charging process for your battery type. Part Number: 808-0232-01

Dealer: