

LITHIUM ION BATTERY DATASHEET

AVAILABLE IN:

310 Ah
12V

Built-in Heater



MORE POWER IN LESS SPACE

The Xantrex Lithium Iron Phosphate (LiFePO₄) battery uses UL1642 certified cells and is certified to UL1973 (Pending). Equipped with redundant safety features, the Xantrex lithium battery is the safest in the market today. Specifically designed to withstand the harsh operating environments of mobile and marine applications, the Xantrex lithium battery lasts up to 6,000 cycle¹ compared to a traditional lead acid or AGM battery, which typically lasts 400–500 cycles.

The Xantrex Lithium Battery offers exceptional power density and is also includes an integrated heating blankets for installations in cold environments outside the main cabin. With the Bluetooth connection enabled gathering real time data from the battery is incredibly simple and always accurate. Optional remote State-Of-Charge display allows quick review of the state of the battery. Internal integration with the vehicle allows alternator control. RV-C communications for status and system integration.



Internal BMS - reduces footprint



Cell Balancing - extends lifetime of battery



Alternator Control - removes external regulator costs



Remote Panel - view status of battery, turn battery on and off



Connect to the Xantrex mobile app to view status of battery



Parallel Stack up to 8 batteries

APPLICATIONS:



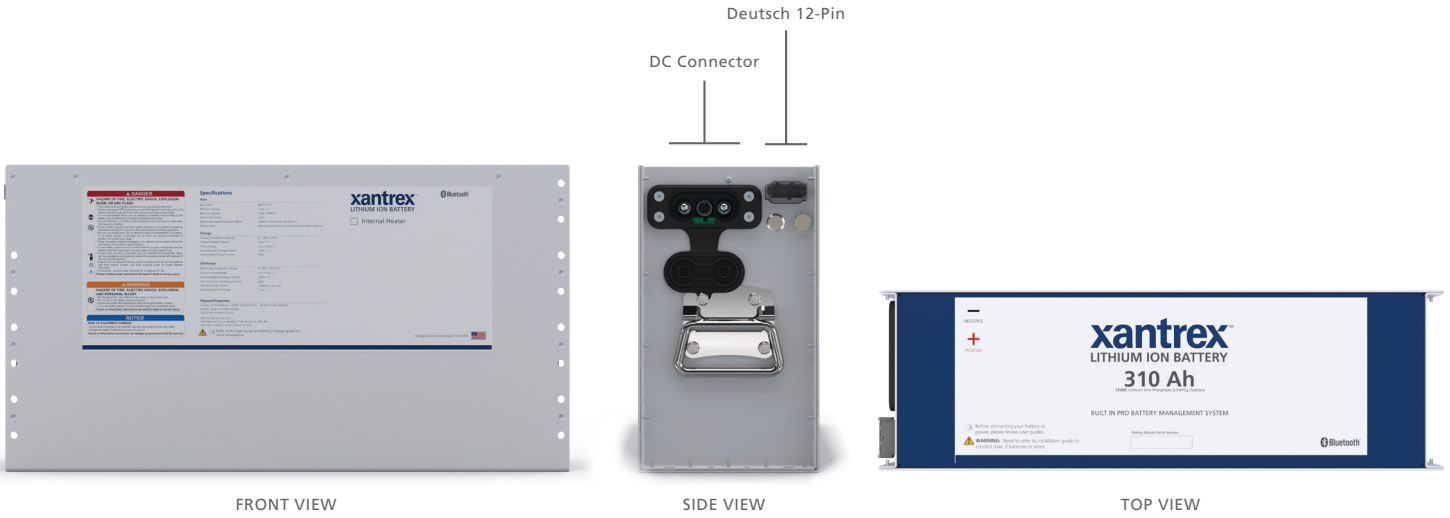
10 YEAR WARRANTY²

www.xantrex.com
CUSTOMER CARE: 1.800.670.0707

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V1. 12.15.2021

¹Up to 6,000 Cycles under ideal conditions

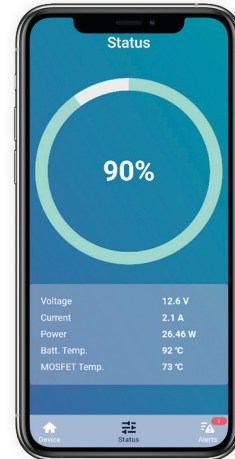
²For full warranty details, please refer to our warranty policy document



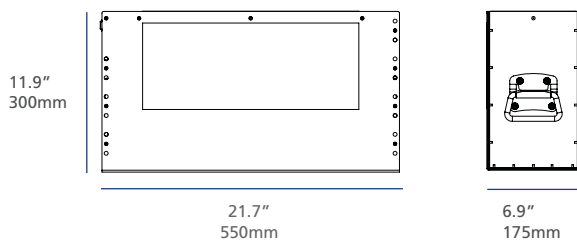
AVAILABLE NOW
XANTREX APP

- Connect via smartphone
- Monitor battery

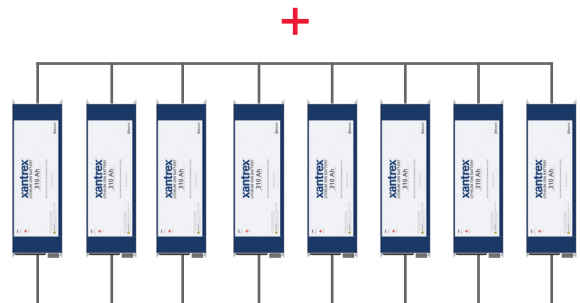
DOWNLOAD ON



310AH 12V DIMENSIONS



PARALLEL STACK UP TO 8 BATTERIES



BATTERY SPECIFICATION

Part Number	884-0310-12
Battery Voltage	12V
Nominal True Capacity	310Ah
Nominal Voltage	12.8V
Nominal Watt Hours	3968Wh
Internal Impedence	<5mΩ
Charge Voltage	14.6V
Recommended Float Charge Voltage	13.6 – 14V
Recommended Charge Current	250A
Allowed Max Charge Current	300A
Output Voltage Range	11.2 – 14.4V
Recommended Discharge Current	250A
Max Continuous Discharge Current	300A
Pulse Discharge Current	1000A (10s)
Discharge Cut-off Voltage	11.2V
Cycle Life to 80% Health	4500 (0.5°C, 25°C, 80% depth of discharge) - increase cycle life with ideal conditions

ENVIRONMENTAL

Charging Temperature Range	32 – 131°F (0 – 55°C)
Discharging Temperature Range	-4 – 131°F (-20 – 55°C)
Storage Period 1 Week	-4 – 113°F (-20 – 45°C)
Storage Period 1 Month	14 – 113°F (-10 – 45°C)
Storage Period 6 Months	50 – 77°F (10 – 25°C)

MECHANICAL

Dimensions	11.9" x 6.9" x 21.7" (300mm x 175mm x 550mm) G31x2
Weight	85.0lbs (38.6 kg)
Battery Terminals	Rebling 7010-3 (5/16" Holes)
Carrying Capabilities	Two foldout handles
Mounting Orientation	Side label or top label up

CERTIFICATION

U.N. International Approval	UN/DOT 38.3 Lithium Ion (Pending)
Underwriters Laboratories	UL1973 Battery (Pending)

Specifications are subject to change without notice.

CONTACT

CUSTOMER SERVICE

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 Hours of operation:
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LEARN MORE ON:

www.xantrex.com