



# LITHIUM ION BATTERY DATASHEET



AVAILABLE IN:

**100 Ah**  
51V

Built-in Heater

## MORE POWER IN LESS SPACE

The Xantrex Lithium Iron Phosphate (LiFePO<sub>4</sub>) battery uses safety certified cells. 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 cycle<sup>1</sup> 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:



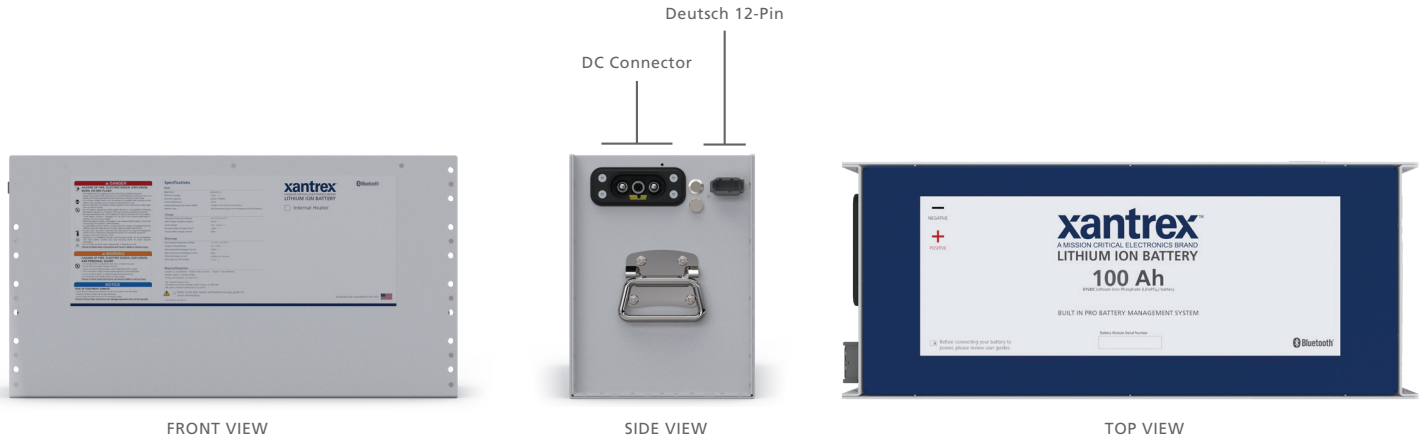
**10 YEAR WARRANTY<sup>2</sup>**

[www.xantrex.com](http://www.xantrex.com)  
CUSTOMER CARE: 1.800.670.0707

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V1. 03.23.2022

<sup>1</sup>Up to 6,000 Cycles under ideal conditions

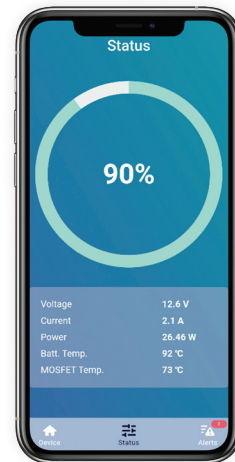
<sup>2</sup>For full warranty details, please refer to our warranty policy document  
PRELIMINARY DATASHEET. SPECS SUBJECT TO CHANGE.



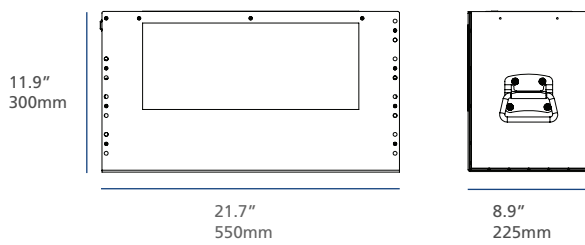
AVAILABLE NOW  
**XANTREX APP**

- Connect via smartphone
- Monitor battery

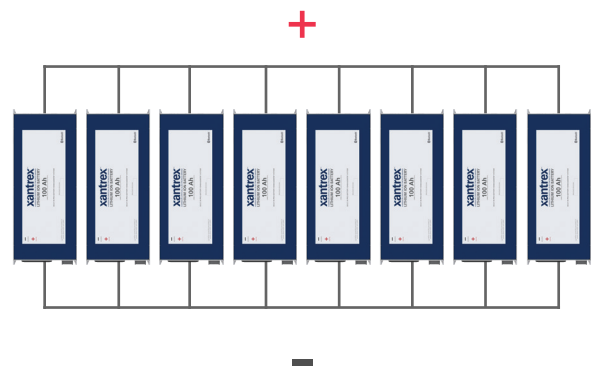
DOWNLOAD ON



### 100AH 51V DIMENSIONS



### PARALLEL STACK UP TO 8 BATTERIES



## BATTERY SPECIFICATION

Part Number	884-0100-51
Battery Voltage	51V
Nominal True Capacity	100Ah
Nominal Voltage	51.2V
Nominal Watt Hours	5120Wh
Internal Impedence	<6mΩ
Charge Voltage	57.6V
Recommended Float Charge Voltage	54.4 – 56V
Recommended Charge Current	80A
Allowed Max Charge Current	225A
Output Voltage Range	44.8 – 57.6V
Recommended Discharge Current	80A
Max Continuous Discharge Current	225A
Pulse Discharge Current	500A (10s)
Discharge Cut-off Voltage	44.8V
Cycle Life to 80% Health	4500 (0.5°C, 25°C, 80% depth of discharge) - increase cycle life with ideal conditions

## ENVIRONMENTAL SPECIFICATIONS

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 SPECIFICATIONS

Dimensions	11.9" x 8.9" x 21.7" (300mm x 225mm x 550mm)
Weight	117.0lbs (53.1kg)
Battery Terminals	Rebling 7010-3 (5/16" Holes)
Carrying Capability	Two foldout handles
Mounting Orientation	Side label or top label up

## CERTIFICATION

U.N. International Approval	UN/DOT 38.3 Lithium Ion (Pending)
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Specifications are subject to change without notice.

## CONTACT

### CUSTOMER SERVICE

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 customerservice@xantrex.com  
 Hours of operation:  
 6:30am - 4:30pm PST, Monday to Friday

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