

# LITHIUM ION BATTERY DATASHEET

AVAILABLE IN:

**125 Ah**  
12V

Group 31 Battery  
Drop-in Replacement

Optional Heater  
(881-0180-12)



## MORE POWER IN LESS SPACE

The Xantrex Lithium Ion 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 cycles<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 available with a heating blanket option if installation is outside the main cabin. With the Bluetooth connection enabled gathering real time data from the battery is incredibly simple and always accurate.

★ Internal BMS - reduces footprint

▬ Cell Balancing - extends lifetime of battery

📺 LED's to Monitor State of Charge

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

📱 Bluetooth - connect to the Xantrex mobile app to view status of battery

📺 Parallel Stack up to 4 batteries

### APPLICATIONS:



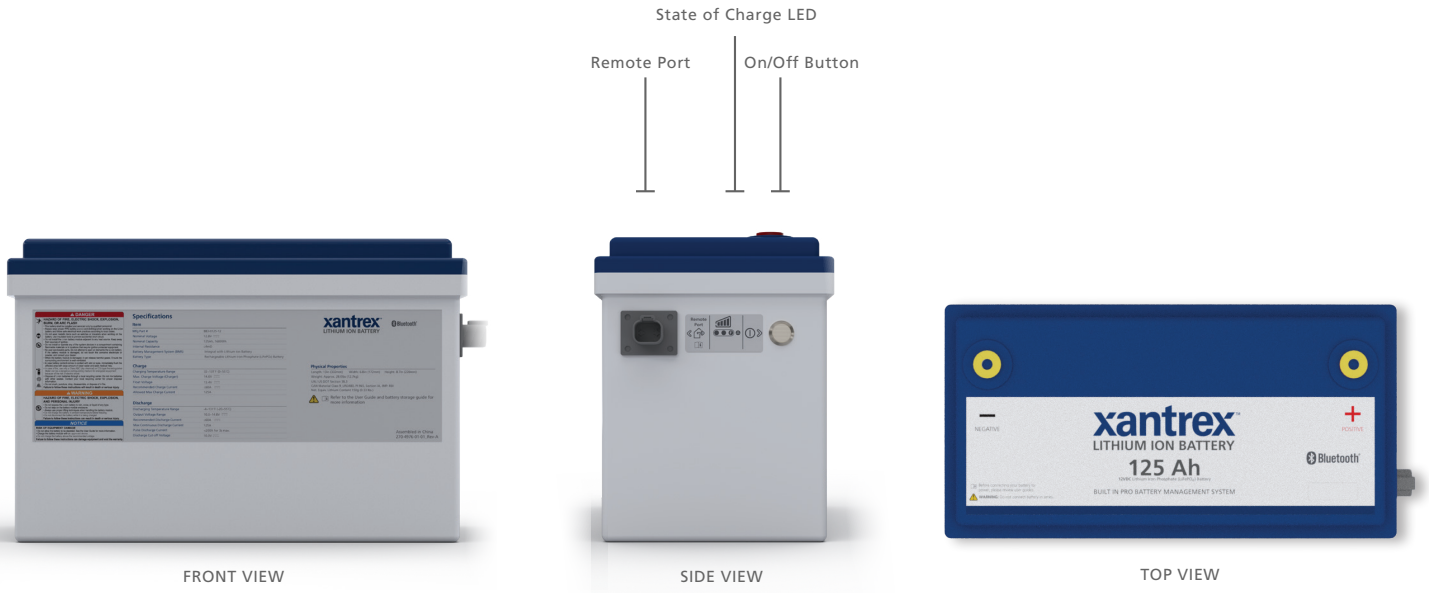
**10 YEAR  
WARRANTY<sup>2</sup>**

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

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V3. 08.30.2021

1: Up to 6,000 Cycles under ideal conditions

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



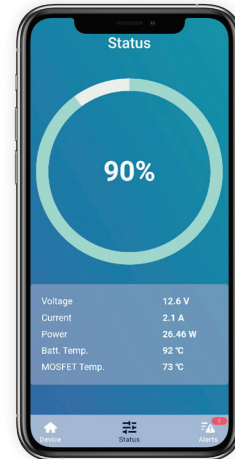
COMING SOON  
**XANTREX APP**

- Connect with bluetooth
- Monitor battery

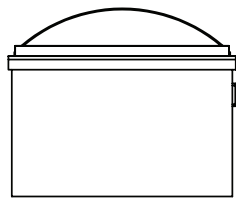
DOWNLOAD ON



CONNECT WITH Bluetooth

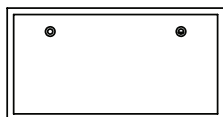


**125AH 12V DIMENSIONS**



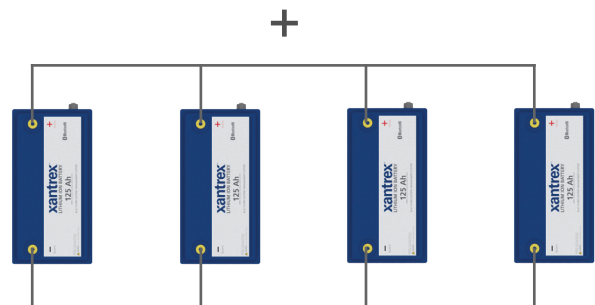
13.1"  
332mm

8.7"  
220mm



6.8"  
172mm

**PARALLEL STACK UP TO 4 BATTERIES**



MAXIMUM IN SERIES 1

## BATTERY SPECIFICATION

Part Number	883-0125-12
Battery Voltage	12V
Nominal True Capacity	125Ah
Nominal Voltage	12.8 Volts
Nominal Watt Hours	1600Wh
Internal Impedence	<5mΩ
Charge Voltage	14.6V
Recommended Float Charge Voltage	13.6V
Recommended Charge Current	≤62.5A
Allowed Max Charge Current	100A
Output Voltage Range	10.0 - 14.6V
Recommended Discharge Current	≤62.5A
Max Continuous Discharge Current	100A
Pulse Discharge Current	200A (3s)
Discharge Cut-off Voltage	10V
Cycle Life to 80% Health	2500 (0.5C, 25°C, 80% Depth of Discharge) - increased cycle life with ideal conditions

## ENVIRONMENTAL

Charging Temperature Range	32 - 140°F (0 - 60°C)
Discharging Temperature Range	-4 - 140°F (-20 - 60°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	13.1" x 6.8" x 8.7" (332mm x 172mm x 220mm) G31
Weight	29.8lbs (13.5kg)
Battery Terminals	M8 x 1.25
Carrying Capability	Strap
Mouting Orientation	Horizontal or Vertical

## CERTIFICATION

U.N. International Approval	UN/DOT 38.3 Lithium Ion
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## CONTACT

### CUSTOMER SERVICE

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 6:30am - 4:30pm PST, Monday to Friday



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