



# 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 ( $\text{LiFePO}_4$ ) Battery uses UL1793<sup>1</sup> certified cells. Equipped with redundant safety features, the Xantrex Lithium-Ion Battery is the safest in the market today. Specifically designed to withstand the harsh operating environments of marine and vehicle applications, the Xantrex Lithium-Ion Battery lasts up to 6,000 cycles<sup>2</sup> compared to a traditional lead acid or AGM battery, which typically lasts 400–500 cycles. The Xantrex Lithium-Ion Battery offers exceptional power density and is also available with a heating blanket option if installation is outside the main cabin.



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



Connect to the Xantrex mobile app to view status of battery



Parallel Stack up to 4 batteries

### APPLICATIONS:



**10 YEAR  
WARRANTY<sup>3</sup>**

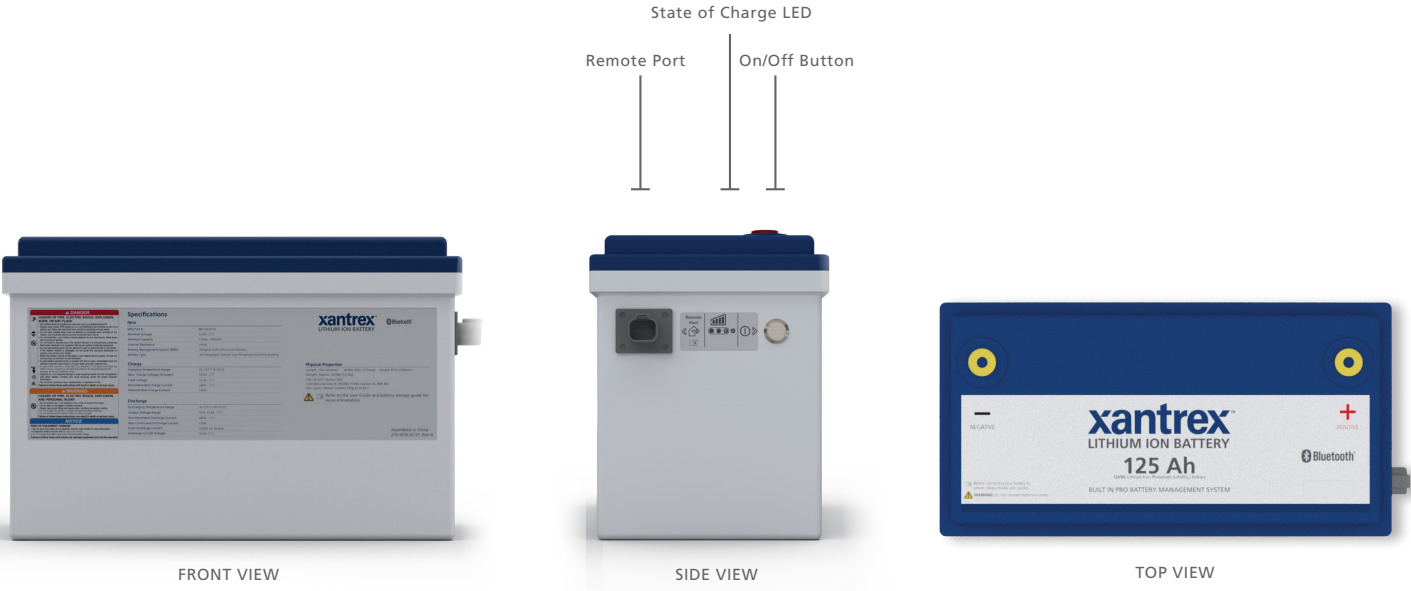
[www.xantrex.com](http://www.xantrex.com)  
CUSTOMER CARE: 1.800.670.0707

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V4, 06.27.2022

<sup>1</sup>(File MH62898; Model CB320 or File MH64445; Model LP33200173)

<sup>2</sup>Up to 6,000 cycles under ideal conditions

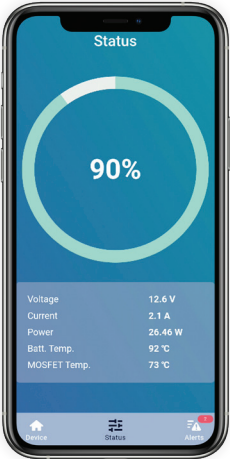
<sup>3</sup>Refer to our warranty policy document for full warranty details



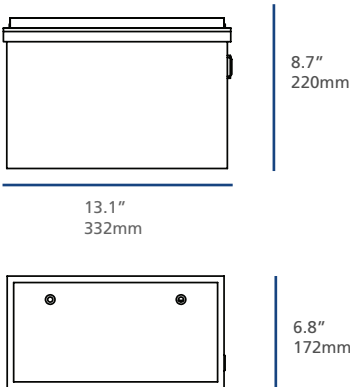
AVAILABLE NOW  
**XANTREX APP**

- Connect via smartphone
- Monitor battery

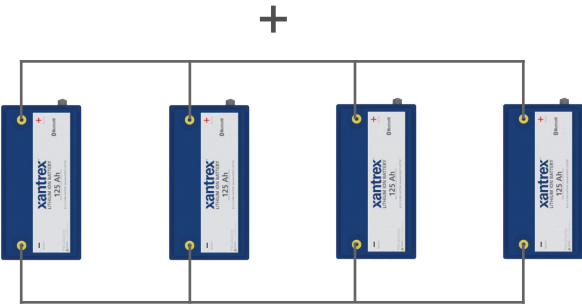
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### 12V 125AH DIMENSIONS



### PARALLEL STACK UP TO 4 BATTERIES



MAXIMUM 36VDC SERIES STACK IN SPECIFIC APPLICATIONS

## BATTERY SPECIFICATIONS

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
Mounting Orientation	Horizontal or Vertical

## CERTIFICATION

U.N. International Approval	UN/DOT 38.3 Lithium Ion
UL1973 Certified Cells	File MH62898; Model CB320 or File MH64445; Model LP33200173

## CONTACT

### CUSTOMER SERVICE

1.800.670.0707  
 customerservice@xantrex.com  
**Hours of operation:**  
 6:30am - 4:30pm PST, Monday to Friday



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