

# LITHIUM-ION BATTERY DATASHEET

AVAILABLE IN:

**105 Ah**  
12V







Group 27 Battery  
Drop-in Replacement

Optional Heater  
(881-0180-12)



## MORE POWER IN LESS SPACE

The Xantrex Lithium-Iron Iron Phosphate (LiFePO<sub>4</sub>) Battery uses UL2580/UL1642<sup>1</sup> certified cells. Equipped with redundant safety features, the Xantrex Lithium-Iron Battery is the safest in the market today. Specifically designed to withstand the harsh operating environments of marine and vehicle applications, the Xantrex Lithium-Iron 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 105Ah battery is IP65 rated as well as tested to UL 458 vibration for marine applications. The ability to stack 4 batteries in parallel allows for creating a larger Ah system when there is no single space large enough for the larger Ah batteries. The Xantrex Lithium-Iron battery offers exceptional power density and is also available with a heating blanket option if installation is outside the main cabin.

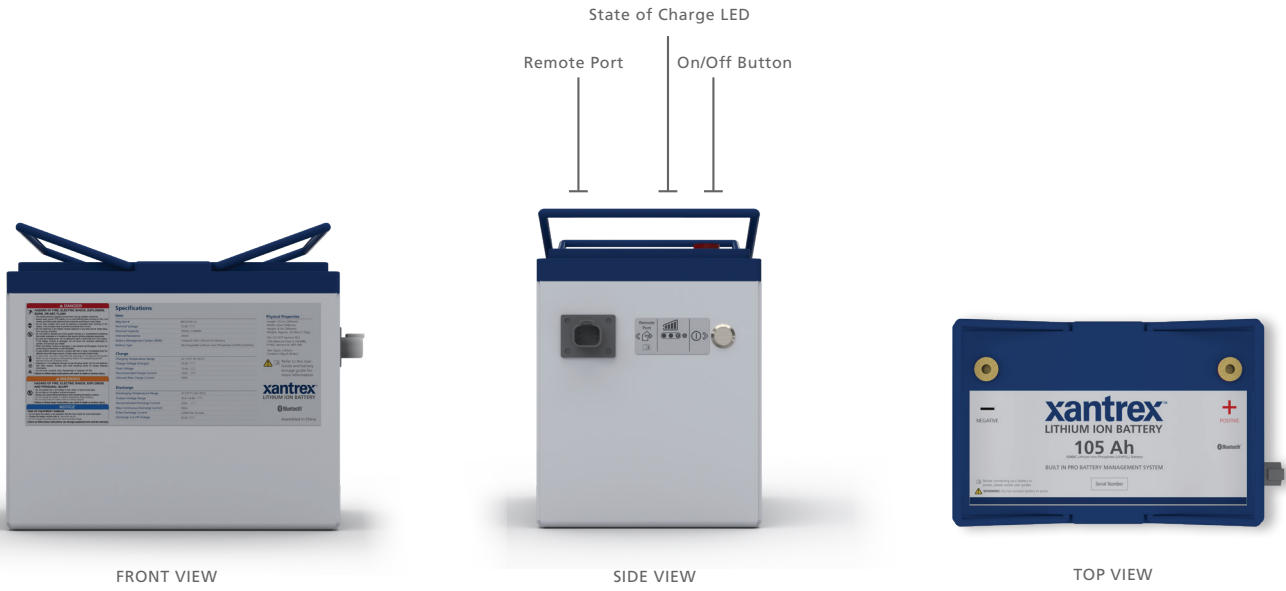
-  Internal BMS - reduces footprint
-  Cell Balancing - extends lifetime of battery
-  LED's to monitor State of Charge
-  Remote Panel - view status of battery, turn battery on and off
-  Connect to the Xantrex mobile app to view status of battery
-  Parallel stack up to 4 batteries

### APPLICATIONS:



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

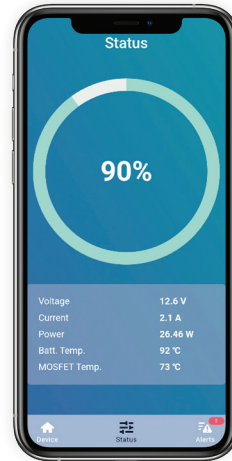
[www.xantrex.com](http://www.xantrex.com)  
CUSTOMER CARE: 1.800.670.0707



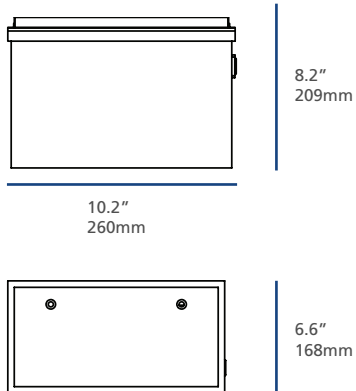
AVAILABLE NOW  
**XANTREX APP**

- Connect via smartphone
- Monitor battery

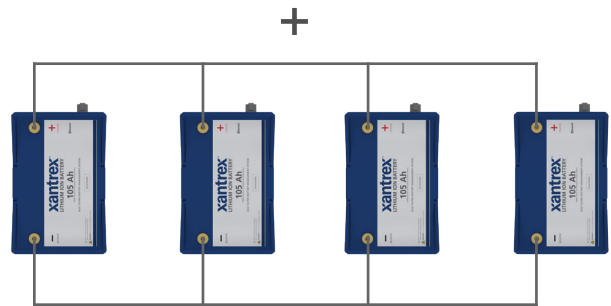
DOWNLOAD ON



**12V 105AH DIMENSIONS**



**PARALLEL STACK UP TO 4 BATTERIES**



MAXIMUM 36VDC SERIES STACK IN SPECIFIC APPLICATIONS

## BATTERY SPECIFICATIONS

Part Number	883-0105-12
Battery Voltage	12V
Nominal True Capacity	105Ah
Nominal Voltage	12.8 Volts
Nominal Watt Hours	1344Wh
Internal Impedence	<5mΩ
Charge Voltage	14.6V
Recommended Float Charge Voltage	13.6V
Recommended Charge Current	≤50A
Allowed Max Charge Current	100A
Output Voltage Range	10.0 – 14.6V
Recommended Discharge Current	≤50A
Max Continuous Discharge Current	100A
Pulse Discharge Current	200A (3s)
Discharge Cut-off Voltage	10V
Cycle Life to 80% Health	2800 (0.5C, 25°C, 100% Depth of Discharge) - increased 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	10.2" x 6.6" x 8.2" (260mm x 168mm x 209mm) G27
Weight	25.4lbs (11.5kg)
Battery Terminals	M8 x 1.25
Carrying Capability	Two Foldout Handles
Mounting Orientation	Horizontal or Vertical

## CERTIFICATION

U.N. International Approval	UN/DOT 38.3 Lithium Ion
UL2580 Certified Cells	File MH63503; Model LF105
UL1642 Certified Cells	File MH62190; Model LF105

## CONTACT

### CUSTOMER SERVICE

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



facebook.com/Xantrex



@Xantrex



youtube.com/XantrexTechnology

### LEARN MORE ON:

www.xantrex.com