



LITHIUM-ION BATTERY DATASHEET

AVAILABLE IN:

310 Ah
12V

Built-in Heater



MORE POWER IN LESS SPACE

The Xantrex Lithium-Ion Iron Phosphate (LiFePO₄) Battery uses UL1642¹ 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 mobile and marine applications, the Xantrex Lithium-Ion Battery lasts up to 6,000 cycle² 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 includes an integrated heating blankets for installations in cold environments outside the main cabin. 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
WARRANTY³**

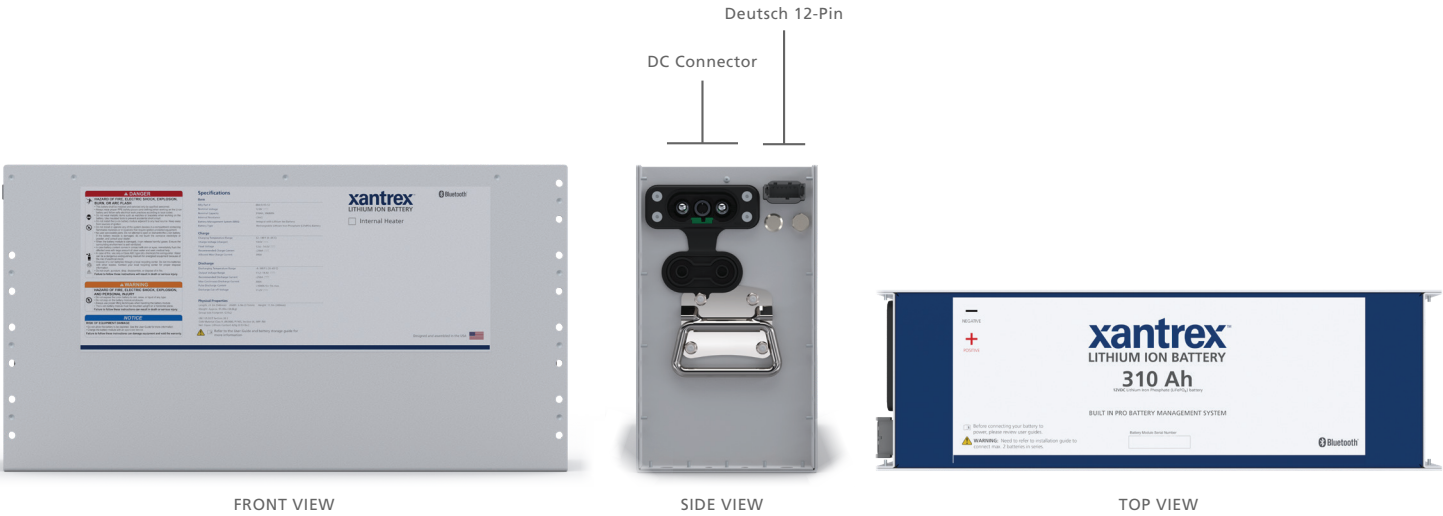
www.xantrex.com
CUSTOMER CARE: 1.800.670.0707

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¹(File MH61463; Model GBS-LFP100Ah-E)

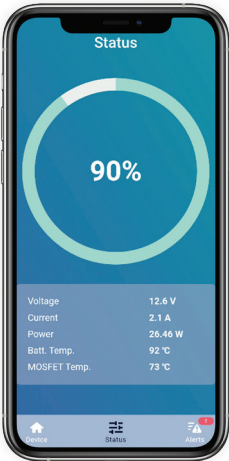
²Up to 6,000 cycles under ideal conditions

³Refer to our warranty policy document for full warranty details

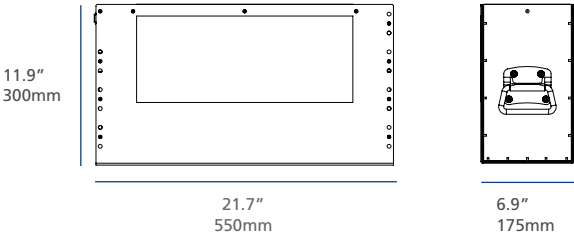


AVAILABLE NOW
XANTREX APP

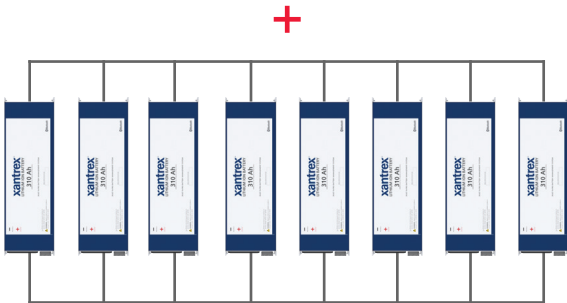
- Connect via smartphone
- Monitor battery



12V 310AH DIMENSIONS



PARALLEL STACK UP TO 8 BATTERIES



MAXIMUM IN SERIES 1

BATTERY SPECIFICATIONS

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 (1s) 500A (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	92.0lbs (41.7kg)
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)
UL1642 Certified Cells	File MH61463; Model GBS-LFP100Ah-E

Specifications are subject to change without notice.

CONTACT

CUSTOMER SERVICE

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