



LITHIUM-ION BATTERY DATASHEET

Conforms to UL1973 (Listing Number 5026209)



AVAILABLE IN:

310 Ah
12 V

Built-in Heater

MORE POWER IN LESS SPACE

The Xantrex Lithium-Ion Iron Phosphate (LiFePO₄) battery is suited for wide range of applications. Equipped with redundant safety features, the Xantrex Lithium-Ion battery conforms to UL1973 (Listing Number 5026209) and is the safest in the market today. Specifically designed to withstand the harsh operating environments of mobile and marine applications, and the Xantrex Lithium-Ion battery lasts up to 6,000 cycles¹ compared to a traditional lead acid or AGM battery, which typically lasts 400-500 cycles.

The Xantrex Lithium-Ion battery offers exceptional power density with a built in heater that can allow operation below -4°F. Optional remote State-Of-Charge display or use with our Bluetooth app, allows quick review of the state of the battery. Built in alternator regulator allows for direct vehicle alternator control². RV-C communications for status and system integration.



Conforms to UL1973 for safety and 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



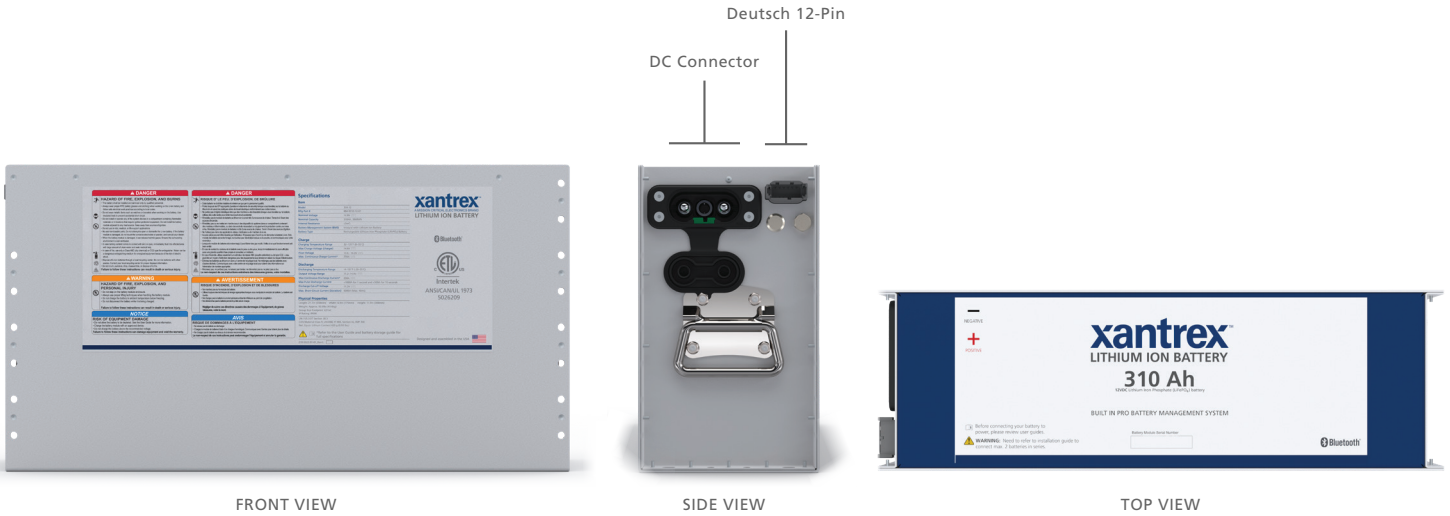
Parallel stack up to 8 batteries

APPLICATIONS:



10 YEAR WARRANTY³

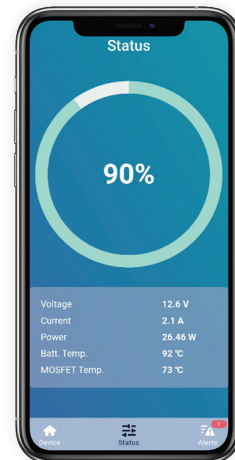
¹Up to 6,000 cycles under ideal conditions
²Only works with Xantrex alternators
³Refer to our warranty policy document for full warranty details



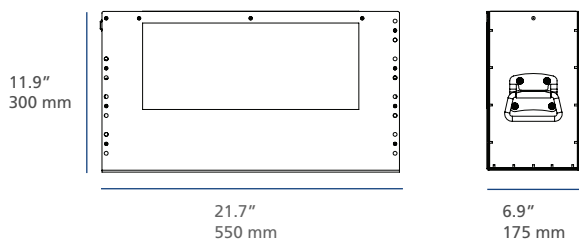
AVAILABLE NOW
XANTREX APP

- Connect via smartphone
- Monitor battery

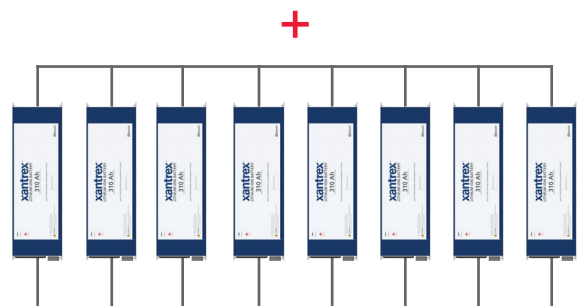
DOWNLOAD ON



12 V 310 AH DIMENSIONS



PARALLEL STACK UP TO 8 BATTERIES



MAXIMUM IN SERIES 1

BATTERY SPECIFICATIONS

Part Number	884-0310-12-01
Battery Voltage	12 V
Nominal True Capacity	310 Ah
Nominal Voltage	12.8 V
Nominal Watt Hours	3968 Wh
Internal Impedence	<5 mΩ
Charge Voltage	14.6 V Max
Recommended Float Charge	13.6–14 V
Recommended Charge Current	250 A
Max Continuous Charge Current	250 A
Output Voltage Range	11.2–14.4 V
Recommended Discharge Current	250 A
Max Continuous Discharge Current	250 A
Pulse Discharge Current	1000 A (1 s) 500 A (10 s)
Discharge Cut-off Voltage	11.2 V
Cycle Life to 80% Health	4500 (0.5C, 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" (300 x 175 x 550 mm) G31x2
Weight	92.0 lb (41.7 kg)
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
UL1973 Conformity	Conforms to ANSI/CAN/UL STD 1973 (Listing # 5026209)

Specifications are subject to change without notice.