

12V 310Ah Battery

GTX Series



CAT # GTX12V310A-E1508-CS200



KEY BENEFITS

- + **Internal NeverDie® Battery Management System:** Integrated Smart BMS technology continuously monitors and protects to maximize battery lifespan
- + **Cell-Level Safety:** Premium matched Lithium Iron Phosphate (LiFePO₄) Cells optimized for safety and long cycle life
- + **Bluetooth® Connectivity:** Allows real-time monitoring, diagnostics, and updates via the Lithionics Bluetooth® App

Reliable Power, Unmatched Versatility

Our batteries feature easy expandability for extended run times and deliver dependable performance, even in extreme temperatures.

Battery Details

310Ah at 12.8V

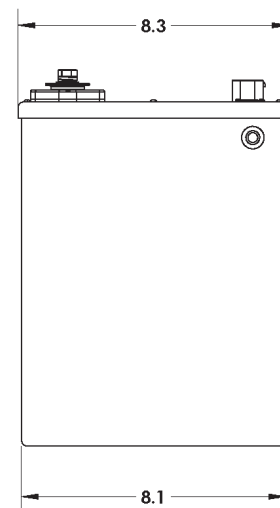
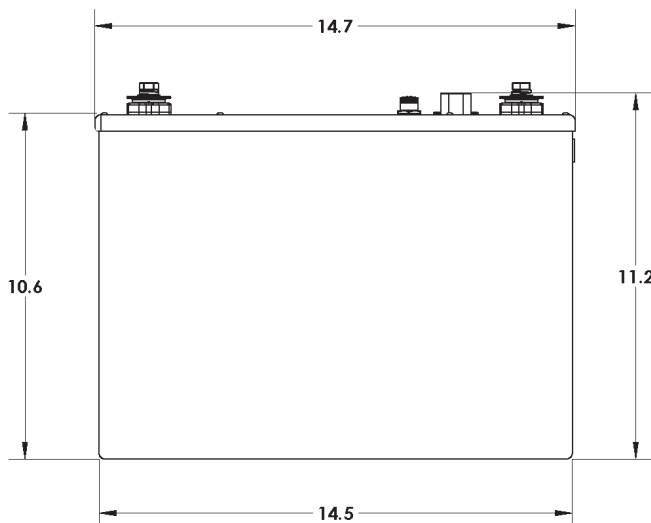
3,968 Watt-Hours



UL 1973 Certified
for Motive Applications¹

DIMENSIONS

Size (L x W x H)	14.7" x 8.3" x 10.5"	373.4mm x 210.8mm x 266.7mm
Weight	63lbs	28.6kg



SPECIFICATIONS

NOMINAL VOLTAGE AND CAPACITY

12.8V 310Ah 3,968Wh

SHIPPING

UN3480, Class 9

CERTIFICATIONS

UNDOT UN38.3

UL UL1973 (battery assembly), UL1642, UL1973 (cells)

INTERNAL HEATER

Power Rating 35W

Thermostat On/Off (Internal) <37°F (3°C) On, >41°F (5°C) Off

MECHANICAL

Mounting Orientation Upright position only (black lid up)

Enclosure Material 0.09"Aluminum 5052

Enclosure Corrosion Protection Iridite Chromate Conversion Coating + Powdercoat Paint

Ingress Protection IP66

STORAGE

Refer to the Lithionics® Website for the Storage Procedure

ELECTRICAL

Internal Resistance <3mΩ

Coulombic Efficiency 99%

Self-Discharge Rate (per month) <3%

Cell Type LiFePO₄ Prismatic Cells

Power Connection Copper Terminals, Nickel Plate, M8-1.25 Female Threads

Series Connection Not Supported

CHARGE

Charge Voltage 14.4V ±0.2V

Operating Temperature Range 32°F (0°C) to 140°F (60°C) (Ambient -4°F (-20°C) with Heater Power)

Recommended Charge Current <150A

Float Voltage 13.6V ±0.2V

Max Charge Current³ <200A

DISCHARGE

Operating Voltage Range 10.8V to 14.4V ±0.2V

Operating Temperature Range -4°F (-20°C) to 140°F (60°C)

Recommended Discharge Current <150A

Max Discharge Current^{2 3} <230A

Pulse Current (1 second) <1,200A

Low Cut-Off Voltage 10.8V ±0.2V

Reserve Voltage Cut-Off 12V ±0.2V

1. UL 1973 Certified: Battery is UL 1973 Certified when used with external circuit breaker and ampseal connector.
2. Inverter compatibility: up to 3,000W. For inverters exceeding 3,000W, consider an external Battery Management System (BMS) for higher performance.
3. Maximum charging and discharging rates dependent upon the ambient temperature and usage. UL1973 testing: Maximum charge and discharge currents were tested at 25°C/77°F

Powering Innovation.

Discover the right lithium replacement system for you. Reach out to Lithionics' expert support team to find your perfect power solution.

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