

12V 310Ah Battery

GTX Series



CAT # GTX12V310A-E1508-CS200



Battery Details

310Ah at 12.8V

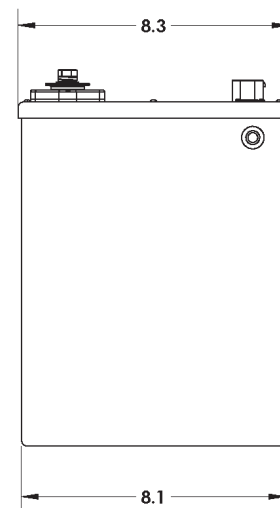
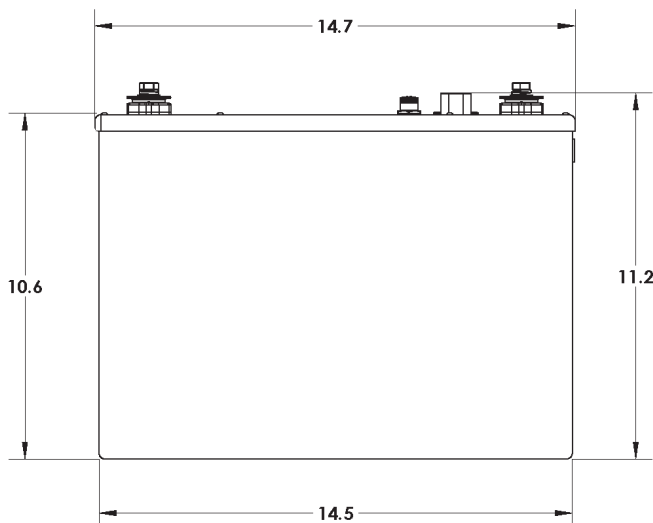
3,968 Watt-Hours



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



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.

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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