

12V 310Ah Battery

GTX Series



CAT # GTX12V310A-E1508-CS200



Battery Details

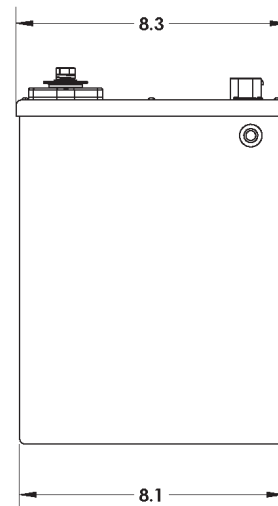
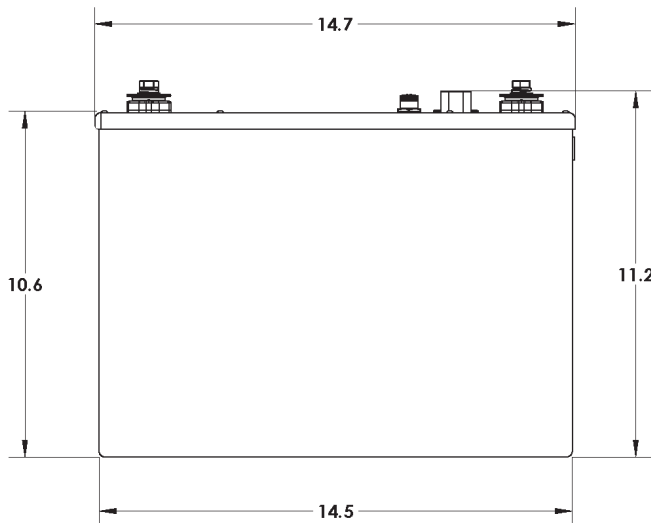
310Ah at 12.8V
3,968 Watt-Hours



UL 1973 Certified
for Motive Applications¹

DIMENSIONS

Size (L x W x H)	14.7" x 8.3" x 10.6"	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	LiFePO ₄ 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 Current ³	<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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