

12V 310Ah BATTERY

GTX SERIES

CAT # GTX12V310A-E1508-CS200



Battery Details

310Ah at 12.8V
3,968 Watt-Hours



UL 1973 Certified for
Motive Applications

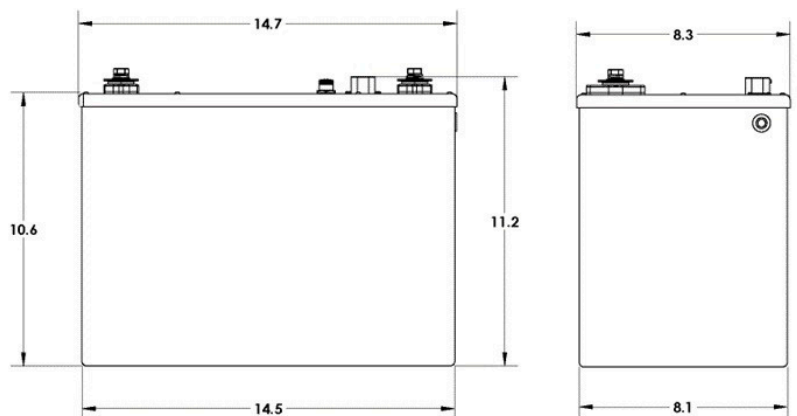
DIMENSIONS

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

- ✓ Safe, Non-Toxic Lithium Iron Phosphate Cells
- ✓ NeverDie® Battery Management System Maximizes Lifespan
- ✓ Fire and Crush Tested Aluminum Alloy Enclosure meeting UL 1973 Certification

Reliable Power, Unmatched Versatility

Our battery features easy expandability for extended run times and delivers 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 Activation and Deactivation

(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

Application Note: Not compatible with 3,000W+ inverter. We recommend for applications requiring more than 3,000W to use an external Battery Management System (BMS).

DS-002

ELECTRICAL

Internal Resistance: <3mΩ

Coulombic Efficiency: 99%

Self-Discharge Rate (per month): <3%

Cell Type: LiFePO₄ Prismatic Cells

Power Connection: Copper Terminals, Nickel Plated, 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: <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: <230A

Pulse Current (1 second): <1,200A

Low Cut-Off Voltage: 10.8V ±0.2V

Reserve Voltage Cut-Off: 12V ±0.2V

*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.