

# 12V 320Ah BATTERY

## GTX SERIES

CAT # GTX12V320A-E2107-CS200



### Battery Details

320Ah at 12.8V  
4,096 Watt-Hours



UL 1973 Certified for  
Motive Applications

## DIMENSIONS

### Size (L x W x H):

20.3" x 6.4" x 10.0"  
(515.6mm x 162.6mm x 254mm)

### Weight:

68lbs  
(30.8kg)



## 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 320Ah 4,096Wh

## 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).**

## ELECTRICAL

**Internal Resistance:** <3mΩ

**Coulombic Efficiency:** 99%

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

**Cell Type:** LiFePO 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 Charge Temperature:** 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 Discharge Range:** 10.8V to 14.4V ±0.2V

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

**Recommended Discharge Current:** <150A

**Discharge Current:** <230A

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

**Low Voltage Cut-Off:** 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.

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