

# 12V 320Ah Battery

## GTX Series



CAT # GTX12V320A-E2107-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

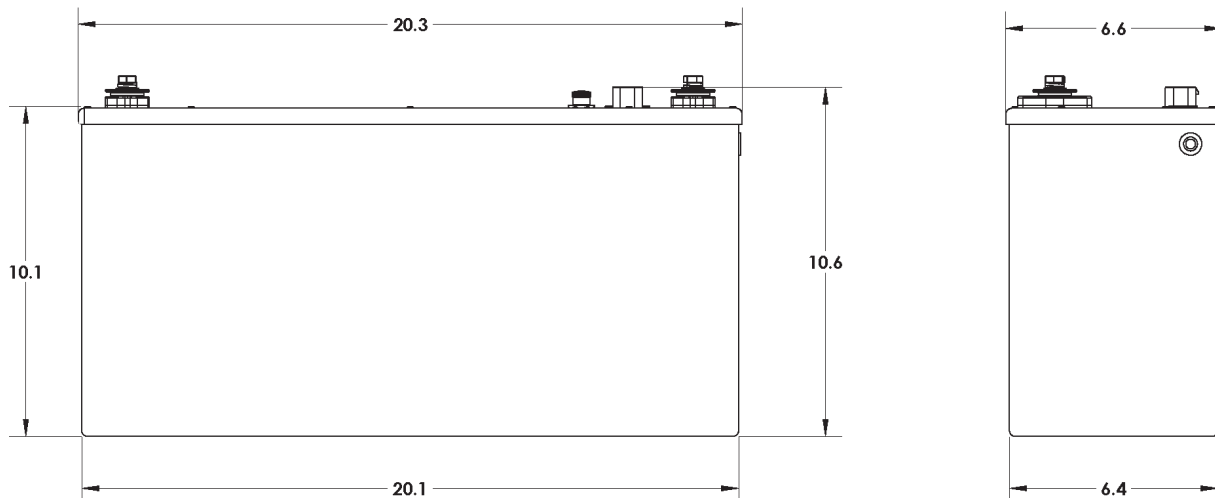
320Ah at 12.8V  
4,096 Watt-Hours



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 254.0mm
Weight	68lbs	30.8kg



## 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 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	<3mff
Coulombic Efficiency	99%
Self-Discharge Rate (per month)	<3%
Cell Type	LiFePO <sub>4</sub> Prismatic Cells
Power Connection	Copper Terminals, Nickel Plate, M8-1.25 Female Threads
Series Connection	Not Supported
CHARGE	
Charge Voltage	14.4V 30.2V
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 30.2V
Max Charge Current	<200A
DISCHARGE	
Operating Voltage Range	10.8V to 14.4V 30.2V
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 30.2V
Reserve Voltage Cut-Off	12V 30.2V

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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