12V 320Ah Battery

GTX Series

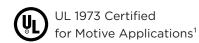


CAT # GTX12V320A-E2107-CS200



Battery Details

320Ah at 12.8V 4,096 Watt-Hours



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 realtime 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.

DIMENSIONS

20.3" x 6.4" x 10.0"	515.6mm x 162.6mi	m x 254.0mm
68lbs	30.8kg	
20.3	-	6.6
_		
		©
	10.6	
		20.3

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	21.070 (cattory accomply), 21.012, 21.070 (comp	
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 Rage (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 ³	<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)	
	4504	

- 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.

<150A

<230A

<1,200A

10.8V ±0.2V

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.

DS-003

Recommended Discharge Current

Max Discharge Current^{2 3}

Pulse Current (1 second)

Reserve Voltage Cut-Off

Low Cut-Off Voltage