12V 320Ah BATTERY GTX SERIES

CAT # GTX12V320A-E2107-CS200



Battery Details

320Ah at 12.8V 4,096 Watt-Hours



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.

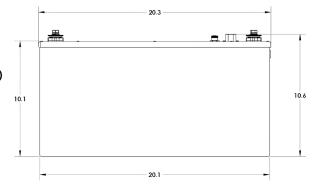
DIMENSIONS

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)







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

ELECTRICAL

Internal Resistance: $<3m\Omega$ Coulombic Efficiency: 99%

Self-Discharge Rage (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 $14.4V \pm 0.2V$ Operating Temperature Range: $-4^{\circ}F$ ($-20^{\circ}C$) to

140°F (60°C)

Recommended Discharge Current: <150A

Discharge Current: <230A

Pulse Current (1 second): <1,200ALow Voltage Cut-Off: $10.8V \pm 0.2V$ 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

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-003

Powering Innovation.

Discover the right lithium replacement system for you. Reach out to Lithionics' expert support team to find your perfect power solution.