

12V 640Ah BATTERY MODULE GTX SERIES

CAT # GTX12V640A-E2112



Battery Details

640Ah at 12.8V
8,192 Watt-Hours



UL 1973 Certified for
Motive Applications

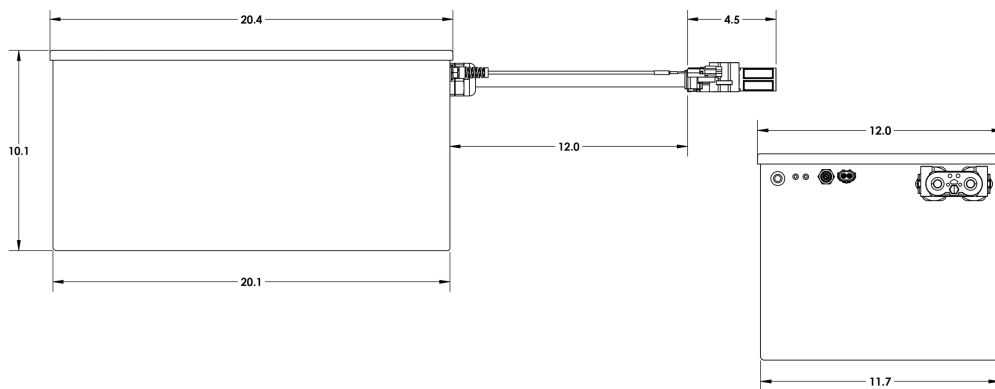
DIMENSIONS

Size (L x W x H):

20.4" x 12.0" x 10.1"
(518.16 x 304.8 x 256.5)

Weight:

140lbs
(63.5kg)



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 system features easy expandability for extended run times and delivers dependable performance, even in extreme temperatures.

SPECIFICATIONS

VOLTAGE AND CAPACITY

12.8V 640Ah 8,192Wh

SHIPPING

UN3480, Class 9

CERTIFICATIONS

UN38.3, UL1973 (battery assembly) UL 1642, UL1973 (cells)

INTERNAL HEATER

70W Power Rating
12V Nominal Input Voltage
5.8A Input Current
Thermostat Activation and Deactivation (Internal) <43°F (6°C) On, >48°F (9°C) Off

STORAGE

Refer to the Lithionics® Website for the Storage Procedure

APPLICATION NOTE: EXTERNAL BMS REQUIRED. BMS SOLD SEPARATELY.

ELECTRICAL

<2mΩ Resistance
99% Coulombic Efficiency
<3% Self-Discharge Rate (per month)
Prismatic, LiFePO₄ Cells
Power Connection:
Anderson A320 Female

DISCHARGE

11.6V to 14.4V ±0.2V
-22 to 140°F (-30 to 60°C)
<320A Recommended Discharge Current
<375A Discharge Current
<3,750A Pulse Current (1 second)
11.6V ±0.2V Cut-Off Voltage

*Charging and discharging rates vary with temperature and usage

*UL1973 testing: Maximum charge and discharge currents were tested at 25°C/77°F

MECHANICAL

Mounting Orientation: Upright position only (black lid up)
Aluminum 5052.090" Enclosure
Military Grade Corrosion Protection Enclosure
Ingress Protection: IP66

CHARGE

14.4V ± 0.2V
32°F to 140°F (0 to 60°C)
-4°F (-20°C) with Heater Power Connected
<320A Recommended Charge Current
13.6V ±0.2V Float Voltage
<375A Charge Current

Powering Innovation.

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

BMS Advanced Features

- External Battery Management System (BMS) for enhanced safety and monitoring
- Bluetooth connectivity for real-time diagnostics
- State-of-Charge (SoC) monitoring to prevent unexpected shutdowns
- High current capability up to 400A for versatile applications
- Remote monitoring app (Google Play and Apple App Store)



CAT # NDV9