

24V 315Ah BATTERY MODULE

GTX SERIES

CAT # GTX24V315A-F24



Battery Details

315Ah at 25.6V
8,064 Watt-Hours



UL 1973 Certified for
Motive Applications

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.

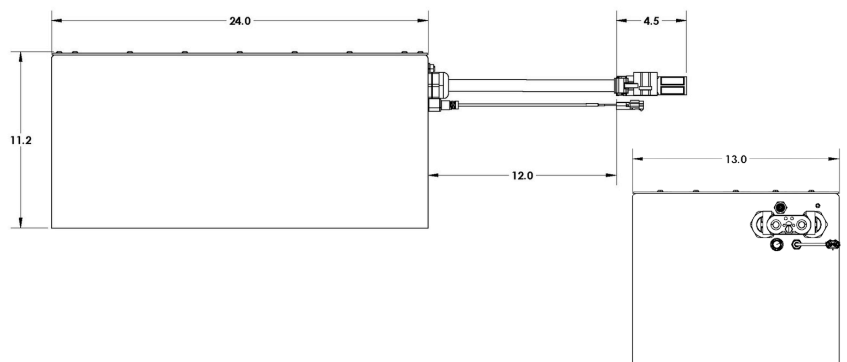
DIMENSIONS

Size (L x W x H):

24.0" x 13.0" x 11.2"
(609.6mm x 330.2mm x 284.5mm)

Weight:

144lbs
(65.3kg)



SPECIFICATIONS

NOMINAL VOLTAGE AND CAPACITY

25.6V 315Ah 8,064Wh

SHIPPING

UN3480, Class 9

CERTIFICATIONS

UNDOT: UN38.3

UL: UL1973 (battery assembly)

UL1642, UL1973 (cells)

INTERNAL HEATER

Power Rating: 70W

Nominal Input Voltage: 12V

Input Current: 5.8A

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

DISCHARGE

Operating Voltage Range:

23.2V to 28.8V $\pm 0.4V$

Operating Temperature Range:

-4°F (-20°C) to 140°F (60°C)

Recommended Discharge

Current: <157.5A

Max Discharge Current: <315A

Pulse Current (1 second):

<3,150A

Low Voltage Cut-Off: 23.2V

$\pm 0.4V$

CHARGE

Charge Voltage:

28.8V $\pm 0.4V$

Operating Temperature Range:

32°F (0°C) to 140°F (60°C)
(Ambient -4°F (-20°C) with
Heater Power)

Recommended Charge Current:

<157.5A

Float Voltage: 27.2V $\pm 0.4V$

Max Charge Current: <315A

*Charging and discharging rates
vary with temperature and usage

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

ELECTRICAL

Internal Resistance: <3mΩ

Coulombic Efficiency: 99%

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

Cell Type: LiFePO₄ Prismatic Cells

Power Connection: Anderson
A320 Female

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

Powering Innovation.

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

**APPLICATION NOTE: EXTERNAL BMS REQUIRED.
BMS SOLD SEPARATELY.**

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