

# 12V 1,260Ah Battery Module


## GTX Series Batteries



CAT # GTX12V1260A-F4113



**Battery Details**  
1,260Ah at 12.8V  
16,128 Watt-Hours

 UL 1973 Certified  
for Motive Applications<sup>1</sup>

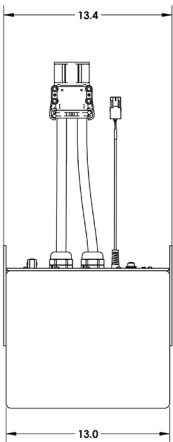
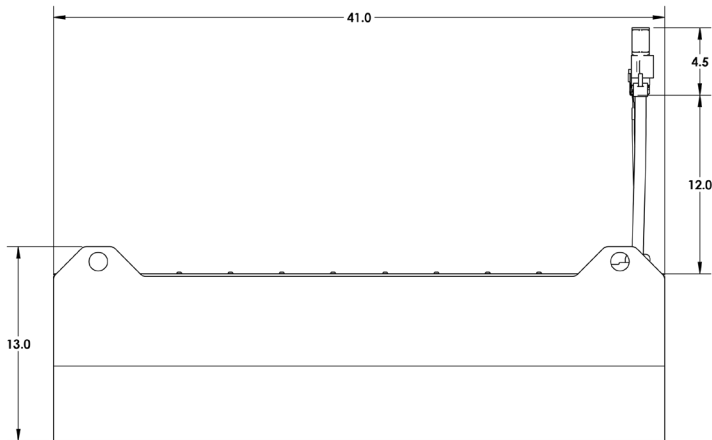
### KEY BENEFITS

- + **Cell-Level Safety:** Premium matched Lithium Iron Phosphate (LiFePO<sub>4</sub>) Cells optimized for safety and long cycle life
- + **NeverDie® Battery Management System:** Smart BMS technology continuously monitors and protects to maximize battery lifespan
- + **Fire & Crush Tested:** Aluminum Alloy Enclosure meets UL 1973 Certification

**Reliable Power, Unmatched Versatility**  
Our batteries feature easy expandability for extended run times and deliver dependable performance, even in extreme temperatures.

### DIMENSIONS

|                  |                       |                                |
|------------------|-----------------------|--------------------------------|
| Size (L x W x H) | 41.0" x 13.4" x 12.9" | 1,041.4mm x 340.4mm x 327.7mm) |
| Weight           | 295.0lbs              | 133.8kg                        |



## SPECIFICATIONS

### NOMINAL VOLTAGE AND CAPACITY

12.8V 1,260Ah 16,128Wh

### SHIPPING

UN3480, Class 9

### CERTIFICATIONS

|       |   |
|-------|---|
| UNDOT | UN38.3  |
| UL    | UL1973 (battery assembly), UL1642, UL1973 (cells) |

### INTERNAL HEATER

|                              |                                 |
|------------------------------|---------------------------------|
| Power Rating                 | 140W                            |
| Nominal Input Voltage        | 12V                             |
| Input Current                | 11.7A                           |
| Thermostat On/Off (Internal) | <43°F (6°C) On, >48°F (9°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             | <2mΩ                                       |
| Coulombic Efficiency            | 99%  |
| Self-Discharge Rate (per month) | <3%  |
| Cell Type                       | LiFePO <sub>4</sub> Prismatic Cells        |
| Power Connection                | Anderson A320 Female                       |
| Series Connection               | Supported when paired with a compliant BMS |

### 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      | <300A   |
| Float Voltage                   | 13.6V ±0.2V   |
| Max Charge Current <sup>2</sup> | <375A   |

### DISCHARGE

|                                    |                              |
|------------------------------------|------------------------------|
| Operating Voltage Range            | 11.6V to 14.4V ±0.2V         |
| Operating Temperature Range        | -4°F (-20°C) to 140°F (60°C) |
| Recommended Discharge Current      | <300A                        |
| Max Discharge Current <sup>2</sup> | <375A                        |
| Pulse Current (1 second)           | <3,750A                      |
| Low Voltage Cut-Off                | 11.6V ±0.2V                  |

1. UL 1973 Certified: Battery is UL 1973 Certified when used with external circuit breaker and ampseal connector.
2. Maximum charging and discharging rates dependent upon the ambient temperature and usage. UL1973 testing: Maximum charge and discharge current were tested at 25°C/77°F.

CAT # NDV9

### 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)

BMS required.  
Sold separately.



DS-010