

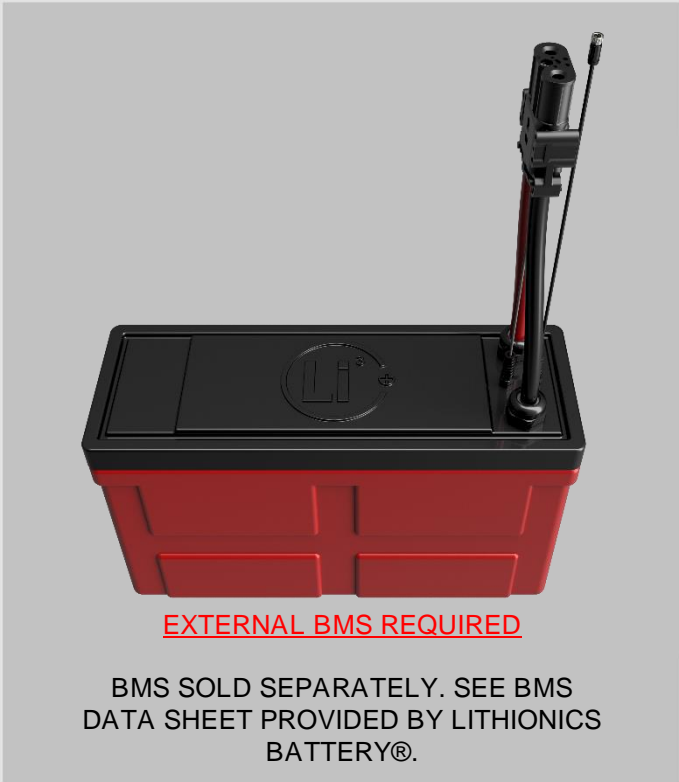
# LITHIONICS BATTERY®

LITHIUM ION IRON PHOSPHATE BATTERY SYSTEMS



MODEL NUMBER:  
GT48V75A-GC2E-DIN-MODULE

EXTERNAL BMS  
VERSION

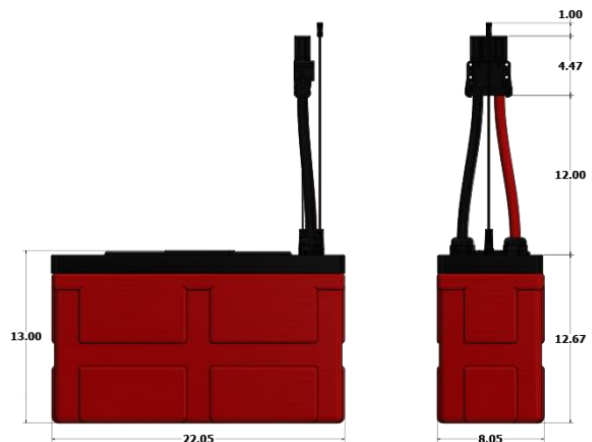


| Item  | Description  |
|---|--|
| Model   | GT48V75A-GC2E-DIN-MODULE   |
| Nominal Voltage                                   | 48   |
| Nominal Capacity                                  | 75   |
| Nominal Watt Hours                                | 3600   |
| Internal Resistance                               | <300 milliohms   |
| <b>Charge</b>                                     |  |
| Charging temperature range                        | 32F/0C to 113F/45C   |
| Charge voltage                                    | 54.75  |
| Recommended float charge voltage(for standby use) | 50.25  |
| Recommended max charge current*                   | 37.5   |
| Allowed max charge current*                       | 75   |
| <b>Discharge</b>                                  |  |
| Discharging temperature range                     | -4F/-20C to 131F/55C   |
| Operating Voltage Range                           | 43.5 to 50.25  |
| Recommended max discharge current*                | 75   |
| Max discharge current*                            | 112.5  |
| Pulse discharge current                           | 750  |
| Discharge cut-off voltage                         | NeverDie® Power Reserve @ 45.00<br>Low-Voltage Cut-Off @43.5   |
| <b>Mechanical</b>                                 |  |
| Dimensions  | Length 22.2"<br>Width 8.0"<br>Height 14.2"   |
| Weight  | Approx. 80lbs (36.3kg)   |
| <b>Storage</b>                                    |  |
| Storage Temperature & Humidity Range              | < 1 Month -4~95°F (-20~35°C), 45~75%RH<br>< 3 Months 14~86°F (-10~30°C), 45~75%RH<br>Recommended storage 59~95°F (15~35°C), 45%RH~75%RH  |
| Long Term Storage                                 | If the battery needs to be stored for > 3 months the voltage should be 13.2V (50%SOC), and stored at the recommended storage specifications shown above. Additionally, the battery needs at least one charge & discharge cycle every six months. |
| Self-discharge rate                               | Residual capacity ≤3% per month; ≤15% per year<br>Reversible capacity ≤1.5%/per month; ≤8% per year  |

\* Maximum charging and discharging rates apply depending upon the ambient temperature and duty cycle of the system. ULI973 tests of maximum charge and discharge current were performed at 25°C/77°F



**NEVERDIE®**



ENERGY

75 AMP HOURS

PULSE AMPS:750 (1 SEC)

3600 WATT-HOURS

**WARNING**

1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE.
2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.

**48V**  
GT  
SERIES