

LITHIONICS BATTERY®

LITHIUM ION IRON PHOSPHATE BATTERY SYSTEMS



MODEL NUMBER:
GT48V150A-F24-DIN-MODULE

EXTERNAL BMS
VERSION



EXTERNAL BMS REQUIRED

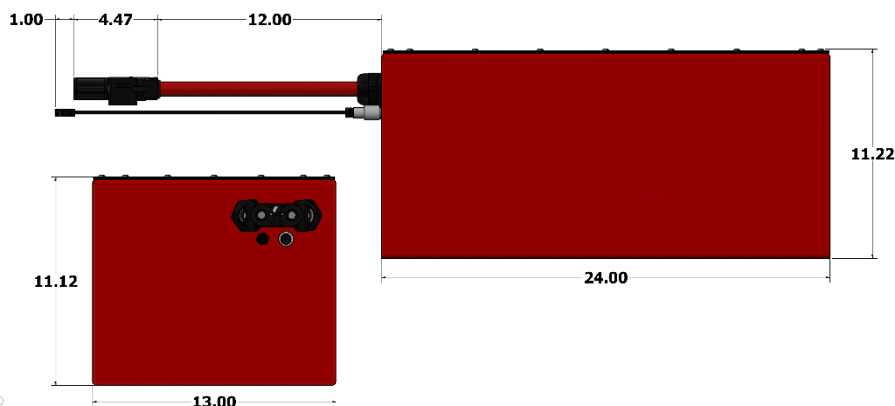
**BMS SOLD SEPARATELY. SEE BMS
DATA SHEET PROVIDED BY LITHIONICS
BATTERY®.**

| Item | Description | |
|---|--|--------------------------------|
| Model | GT48V150A-F24-DIN-MODULE | |
| Nominal Voltage | 48 | |
| Nominal Capacity | 150 | |
| Nominal Watt Hours | 7200 | |
| Internal Resistance | <300 milliohms | |
| Charge | | |
| Charging temperature range | 32F/0C to 113F/45C OR -4F/-20C with Heater Kit | |
| Charge voltage | 54.75 | |
| Recommended float charge voltage(for standby use) | 50.25 | |
| Recommended max charge current* | 75 | |
| Allowed max charge current* | 150 | |
| Discharge | | |
| Discharging temperature range | -4F/-20C to 131F/55C | |
| Operating Voltage Range | 43.5 to 50.25 | |
| Recommended max discharge current* | 150 | |
| Max discharge current* | 225 | |
| Pulse discharge current | 1500 | |
| Discharge cut-off voltage | NeverDie® Power Reserve @ 45.00 Low-Voltage Cut-Off @43.5 | |
| Mechanical | | |
| Dimensions | Length 24.0" Width 13.0" Height 11.1" | |
| Weight | Approx. 155lbs (70.3kg) | |
| Storage | | |
| Storage Temperature & Humidity Range | < 1 Month | -4~95°F (-20~35°C), 45~75%RH |
| | < 3 Months | 14~86°F (-10~30°C), 45~75%RH |
| | 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 49.5V (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 |
| | 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.
UL1973 tests of maximum charge and discharge current were performed at 25°C/77°F



NEVERDIE®



ENERGY

150 AMP HOURS

PULSE AMPS: 1500 (1SEC)

7200 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 MODULES BE INSTALLED BLACK LID UP.

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

48V
GT
SERIES