LITHIONICS BATTERY®

LITHIUM ION IRON PHOSPHATE BATTERY SYSTEMS

MODEL NUMBER:
GT102V75A-8D-DIN-MODULE

EXTERNAL BMS VERSION

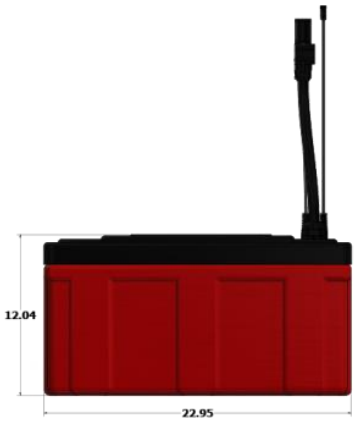
EXTERNAL BMS REQUIRED

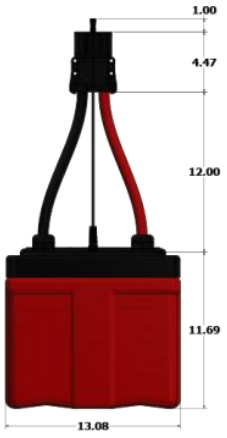
BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT102V75A-8D-DIN-MODULE
Nominal Voltage		102.4
Nominal Capacity		75
Nominal Watt Hours		7680
Internal Resistance		<300 milliohms
Charge		
Charging temperature range		32F/0C to 113F/45C
Charge voltage		116.8
Recommended float charge voltage(for standby use)		107.2
Recommended max charge current		50
Allowed max charge current		75
Discharge		
Discharging temperature range		-4F/-20C to 131F/55C
Output Voltage Range		92.8 - 107.2
Recommended max discharge current		75
Max discharge current		150
Pulse discharge current (not suitable for engine cranking)		750
Discharge cut-off voltage		NeverDie® Power Reserve at 96.0V Low Voltage Cut-Off at 92.8V
Mechanical		
Dimensions		Length 23.0"
		Width 13.0"
		Height 12.0"
Weight		Approx. 150lbs (68kg)
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 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
	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

75 AMP HOURS

PULSE AMPS: 750 (1 SEC)

7680 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.

102V GT SERIES