LITHIONICS BATTERY®

LITHIUM ION IRON PHOSPHATE BATTERY SYSTEMS

MODEL NUMBER:
GT24V225A-8D-DIN-MODULE

EXTERNAL BMS VERSION

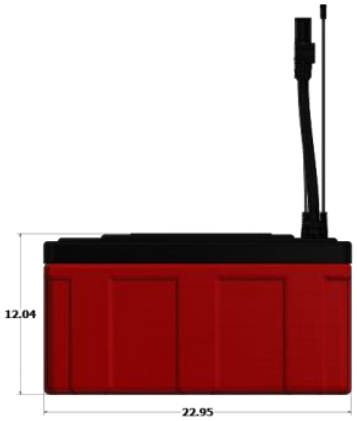
EXTERNAL BMS REQUIRED

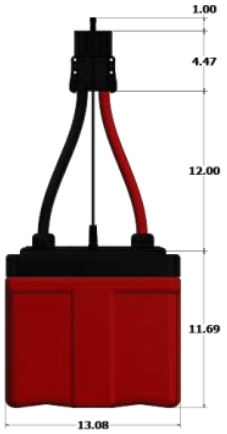
BMS SOLD SEPARATELY. SEE BMS DATA SHEET PROVIDED BY LITHIONICS BATTERY®.

Item		Description
Model		GT24V225A-8D-DIN-MODULE
Nominal Voltage		25.6
Nominal Capacity		225
Nominal Watt Hours		5760
Internal Resistance		<300 milliohms
Charge		
Charging temperature range		32F/0C to 113F/45C
Charge voltage		29.2
Recommended float charge voltage(for standby use)		26.8
Recommended max charge current*		112.5
Allowed max charge current*		225
Discharge		
Discharging temperature range		-4F/-20C to 131F/55C
Operating Voltage Range		23.2 to 26.8
Recommended max discharge current*		225
Max discharge current*		337.5
Pulse discharge current		2250
Discharge cut-off voltage		NeverDie® Power Reserve @ 24.00 Low-Voltage Cut-Off @23.2
Mechanical		
Dimensions		Length 23.0"
		Width 13.0"
		Height 12.0"
Weight		Approx. 125lbs (56.7kg)
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

225 AMP HOURS

PULSE AMPS: 2250 (1 SEC)

5760 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.

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SERIES