LITHIONICS BATTERY

LITHIUM ION IRON PHOSPHATE BATTERY SYSTEMS

MODEL NUMBER: GTX24V275A-F27-DIN-MODULE

EXTERNAL BMS VERSION



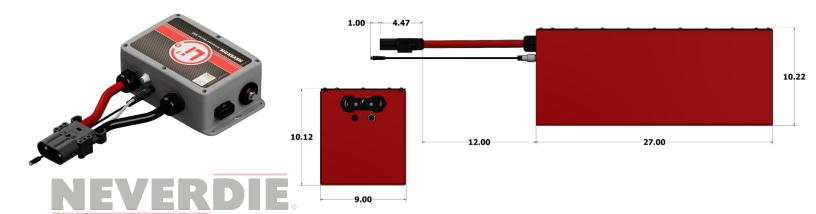


EXTERNAL BMS REQUIRED

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

Item		Description
Model		GTX24V275A-F27-DIN-MODULE
Nominal Voltage		25.6V
Nominal Capacity		275Ah
Nominal Watt Hours		7,100Wh
Internal Resistance		<3mΩ
Charge		
Charging temperature range		32F/0C to 131F/55C
Charge voltage		29.2V
Recommended float charge voltage(for standby use)		26.8V
Recommended charge current		142.5A
Allowed max charge current*		200A
Discharge		
Discharging temperature range		-4F/-20C to 131F/55C
Operating Voltage Range		23.2V to 26.8V
Recommended discharge current		200A
Max discharge current*		200A
Pulse discharge current		550A
Discharge cut-off voltage		NeverDie® Power Reserve @ 24.0V
Mechanical		Low-Voltage Cut-Off @23.2V
Dimensions		Length 27.0"
		Width 9.0"
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		Height 10.2"
Weight		Approx. 122lbs (55.5kg)
Storage		
Storage Temperature & Humidity Range		-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 26.4V (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

UL1973 tests of maximum charge and discharge current were performed at 25°C/77°F



275 AMP HOURS

PULSE AMPS: 550 (1 SEC)

7100 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.

