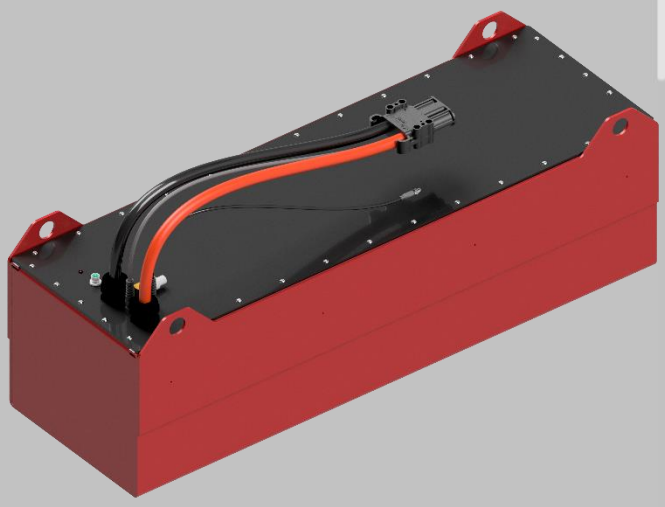
LITHIONICS BATTERY®

LITHIUM ION IRON PHOSPHATE BATTERY SYSTEMS

MODEL NUMBER:
GTX24V630A-F41-DIN-MODULE

EXTERNAL BMS VERSION



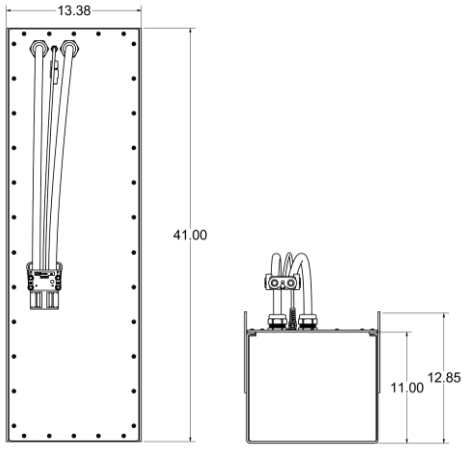
EXTERNAL BMS REQUIRED

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

Item		Description
Model		GTX24V630A-F4113-DIN-MODULE
Nominal Voltage		25.6
Nominal Capacity		630
Nominal Watt Hours		16128
Internal Resistance		<300 milliohms
Charge		
Charging temperature range		32F/0C to 131F/55C
Charge voltage		29.2
Recommended float charge voltage(for standby use)		26.8
Recommended charge current*		150
Allowed max charge current*		300
Discharge		
Discharging temperature range		-4F/-20C to 131F/55C
Operating Voltage Range		23.2 to 26.8
Recommended discharge current*		150
Max discharge current*		300
Pulse discharge current		3150
Discharge cut-off voltage		NeverDie® Power Reserve @ 24.00 Low-Voltage Cut-Off @23.2
Mechanical		
Dimensions		Length 41"
		Width 13.37"
		Height 12.85"
Weight		Approx. 302lbs (137kg)
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 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

* 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

630 AMP HOURS

PULSE AMPS: 3150 (1 SEC)

16128 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.

24V GTX SERIES