## LITHIONICS BATTERY

LITHIUM-ION IRON PHOSPHATE BATTERY SYSTEMS



MODEL NUMBER: GTX12V320A-E2107-DIN-12HK Designed with Internal Heater Kit, Aluminum Alloy Enclosure

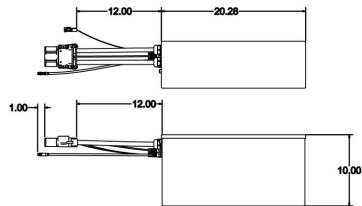
**EXTERNAL BMS VERSION** 



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

Item		Description
Model		GTX12V320A-E2107-DIN-12HK
Nominal Voltage		12.8V
Nominal Capacity		320Ah
Nominal Watt Hours		4096Wh
Internal Resistance		<3mΩ
Charge		
Charging temperature range		32F/0C to 131F/55C
Charge voltage		14.4V
Recommended float charge voltage(for standby use)		13.4-13.6V
Recommended charge current*		150A
Maximum charge current*		250A
Discharge		
Discharging temperature range		-4F/-20C to 131F/55C
Operating Voltage Range		11.6-13.4V
Recommended discharge current*		150A
Maximum discharge current*		250A
Pulse discharge current (1 second)		1200A
Discharge cut-off voltage		NeverDie® Power Reserve @ 12.0V Low-Voltage Cut-Off @11.6V
Mechanical		
Dimensions		Length 20.3"
		Width 6.6"
		Height 10.0"
Mounting Orientation		Upright position only
Weight		Approx. 68lbs (30.8kg)
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





320 AMP HOURS

**PULSE AMPS: 1200 (1 SEC)** 

**4096 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. **SERIES**