

LITHIONICS BATTERY®

LITHIUM-ION IRON PHOSPHATE BATTERY SYSTEMS



MODEL NUMBER:
GTX12V315A-E2107-CS200

INTERNAL BMS
VERSION



Connects to the official
Lithionics Battery Monitor App

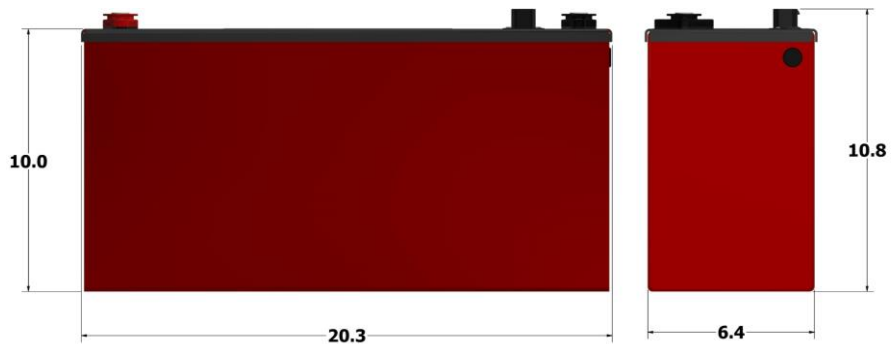
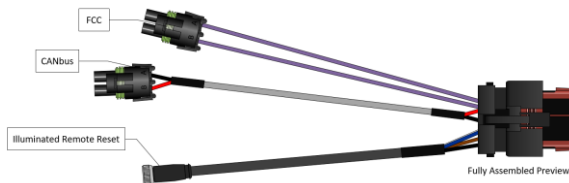


Item	Description
Model	GTX12V315A-E2107-CS200
Nominal Voltage	12.8V
Nominal Capacity	315Ah
Nominal Watt Hours	4032Wh
Internal Resistance	<3mΩ
Charge	
Charging temperature range	32F/0C to 113F/45C
Charge voltage	14.4V
Recommended float charge voltage(for standby use)	13.4-13.6V
Recommended max charge current*	157.5A
Allowed max charge current*	250A
Discharge	
Discharging temperature range	-4F/-20C to 131F/55C
Operating Voltage Range	11.6-13.4V
Recommended max discharge current*	200A
Max discharge current*	250A
Pulse discharge current (1 second)	1575A
Discharge cut-off voltage	NeverDie® Power Reserve @ 12.0V Low-Voltage Cut-Off @11.6V
Mechanical	
Dimensions	Length 20.3" Width 6.4" Height 10.0"
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

* 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

INTERNAL NEVERDIE® FEATURES

- miniBMS® Cell/Module Sensors and Microprocessors with Automatic Cell Balancing
- NeverDie® Power Reserve (Spare Fuel) for Hotel Loads and Worry-Free Power for Engine Cranking
- Over-Charge, Over-Discharge and Short-Circuit Protection (LVC, HVC, SCC)
- Available NeverDie® Internal Heating Kit: Permits Charging Operations at -20C/-4F Continuous
- Pushbutton Storage Operation
- Ampseal 8 Harness Kit (see next page for details)



ENERGY

315 AMP HOURS

PULSE AMPS: 3150 (1 SEC)

4032 WATT-HOURS

WARNING

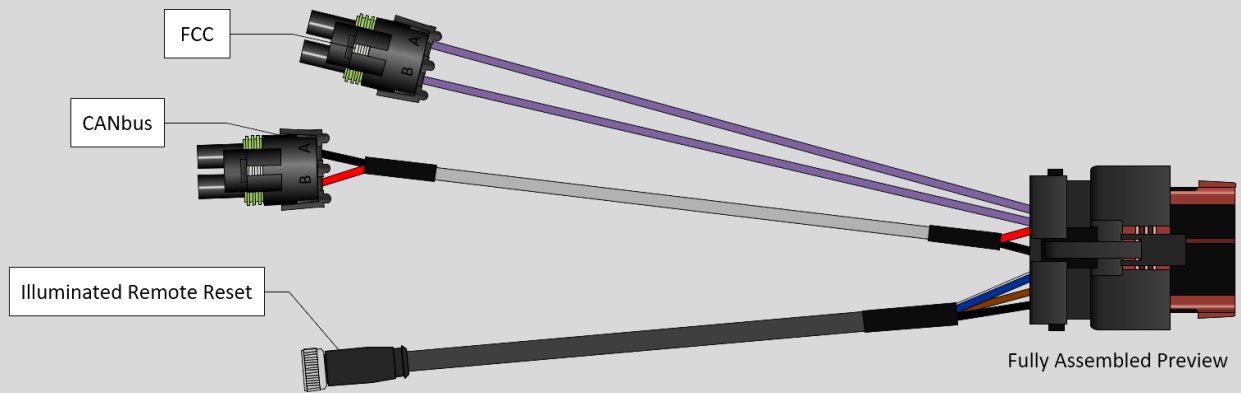
1. LITHIUM BATTERIES ARE NOT DESIGNED FOR CHARGING IN SUB-FREEZING TEMPERATURES. CONTACT LITHIONICS BATTERY® FOR DETAILS ON OUR COLD WEATHER PACKAGE.
2. INSTALLATION: IT IS RECOMMENDED THAT BATTERIES BE INSTALLED CABLE OR TERMINAL SIDE UP.

NOTE: CONTACT LITHIONICS BATTERY® FOR A USER INSTALLATION GUIDE & STORAGE PROCEDURES. FOLLOW THE GUIDE TO ENSURE FITNESS OF USE & WARRANTY.

12V
GTX
SERIES

PART NUMBER:
75-H1FCR-CS2 Ampseal 8 Harness Kit

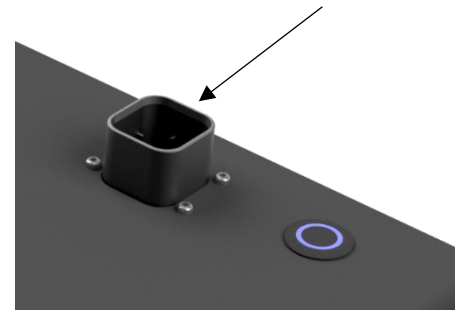
EXTERNAL
ACCESSORIES



Feature	Description
FCC	Alternator Field Control Circuit
Remote Reset Switch	Illuminated Remote Momentary Power Switch
CANBus	Limited CANBus RV-C Telemetry

ABOUT AMPSEAL 8

The mating Ampseal 8 connector kit is designed for use with any battery equipped with the NeverDie® Compact Series 200 Internal Battery Management System (BMS). The 8 pin Ampseal connector is located on the top of the battery and is used to access the BMS's ported features. This allows implementation of the combination of BMS functions listed above. Mating cable extensions are optional and available separately per the part numbers listed below.



Optional Mating Extensions:		
Part Number	Model	Description
75-149-180	FCC Extension	Dual Weatherpack Connector to Bare Wires, 15ft Length
75-224-196	Illuminated Remote Reset	M8 Connector to Illuminated Remote Switch, 16ft Length

Note: Contact factory regarding mating connections for CANBus feature.