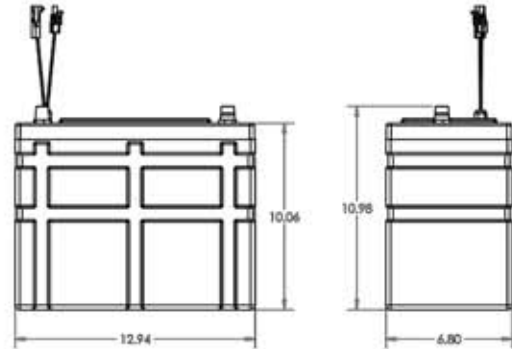




12V STANDARD SERIES



PART NUMBER: 12V110A-G31EXT-MODULE



12V110A-G31EXT-MODULE Deep Cycle+Engine Start Lithium Battery
Battery Specification

Attribute		Value
Nominal True Capacity	110	Amp Hours
Charging Voltage	14 to 14.4	Volts
Nominal Voltage	12.8	Volts
Cut-off Discharge Voltage	12.0	Volts
Reserve Capacity	264	Minutes
Max Discharge Current (Continuous)	110	Amps
Max Discharge Current (Pulse)	550	Amps
Max Continuous Charge Current	55	Amps
Internal Impedance	< 8	Milliohms
Cycle Life @ 80% Depth of Discharge	2000-3000	
Dimensions (L x W x H)	12.9 x 6.8 x 10.1	Inches
Weight	30 (13.6)	Pounds (kg)
Safety Leader U.N. International Approved	U.N. D.O.T. 38.3	Lithium
Charge Temperature	32 to 113	Fahrenheit
Discharge Temperature	-4 to 140	Fahrenheit
Storage Period (1 month)	-4 to 113	Fahrenheit
Storage Period (6 month)	-4 to 77	Fahrenheit
Battery Terminals (Max Torque 100in-lbs)	BRASS SAE	Terminal
Lithionics NeverDie Feature	YES	External
Active Shunt Cell Balancing	YES	
Wireless NeverDie Remote	YES	Optional

WATTS OF ENERGY

1408 WATT-HOURS

30 LBS

13.6 KG

NOTE: Contact Lithionics Battery for a user installation Guide. Follow the guide to ensure fitness of use and warranty.

Warning:

1. Lithium batteries are not designed for under-hood installations adjacent to a radiant heat source, such as an engine. Lithium batteries are not designed for use in sub-freezing temperatures. See USER GUIDE for acceptable temperature ranges. Contact Lithionics Battery for details on cold weather package.
2. Industry standards have not been developed for ratings such as lithium cranking amperage equivalents to lead-acid cranking amperage ratings. It is the responsibility of the end-user to select the correct sized battery for his/her application. Lithionics Battery offers a wide range of lithium cells to assist in the customer's selection of the battery size.
3. Installation: It is recommended that batteries be installed terminals facing up. Terminal must never face down (upside-down installation). Contact Lithionics Battery for approval of alternative installation orientations that maybe possible in your application.

External NeverDie Features (Required to Function Properly)

- Reserve Capacity (Low Voltage Cutoff @ 12V)
- Pushbutton Storage Option
- Active Shunt Cell Balancing
- Individual Cell Monitoring (Temp & Voltage)
- Charge Enable (12.5V)
- Overtemp Protection (Enabled @ 140F/60C)
- Over-Discharge Protection (Dead Voltage Lockout @ 10V)
- Over-Charge Protection (High Voltage Cutoff @ 15.6V)
- Short Circuit Protection

EXTERNAL BMS REQUIRED

