12V 630Ah Battery

GTX Series

CAT # GTX12V630A-E2112-CS200

KEY BENEFITS

+ **Internal NeverDie® Battery Management System:** Integrated Smart BMS technology continuously monitors and protects to maximize battery lifespan
+ **Cell-Level Safety:** Premium matched Lithium Iron Phosphate (LiFePO4) Cells optimized for safety and long cycle life
+ **Bluetooth® Connectivity:** Allows real-time monitoring, diagnostics, and updates via the Lithionics Bluetooth® App

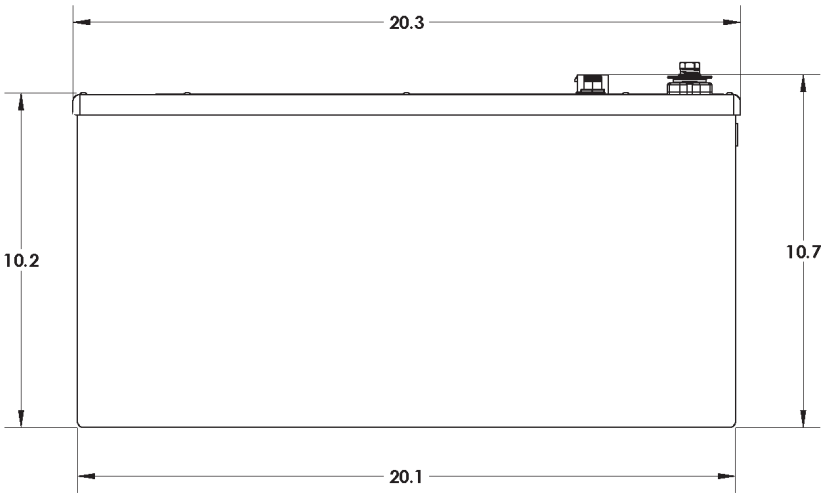
Reliable Power, Unmatched Versatility
Our batteries feature easy expandability for extended run times and deliver dependable performance, even in extreme temperatures.

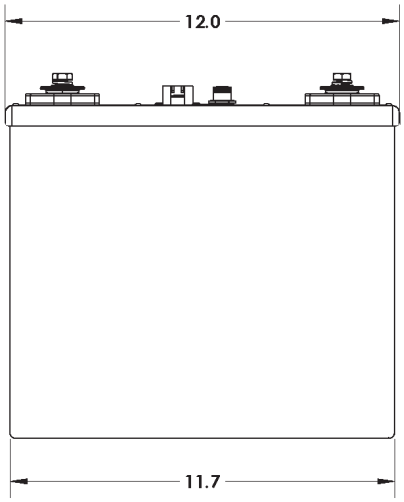
Battery Details
630Ah at 12.8V
8,064 Watt-Hours

UL 1973 Certified
for Motive Applications

DIMENSIONS

Size (L x W x H)	20.4” x 12.0” x 10.7”	518.2mm x 304.8mm x 271.8mm
Weight	128.0lbs	58.0kg





SPECIFICATIONS

NOMINAL VOLTAGE AND CAPACITY	
12.8V 630Ah 8,064Wh	
SHIPPING	
UN3480, Class 9	
CERTIFICATIONS	
UNDOT	UN38.3
UL	UL1973 (battery assembly), UL1642, UL1973 (cells)
INTERNAL HEATER	
Power Rating	70W
Thermostat On/Off (Internal)	<37°F (3°C) On, >41°F (5°C) Off
MECHANICAL	
Mounting Orientation	Upright position only (black lid up)
Enclosure Material	0.09”Aluminum 5052
Enclosure Corrosion Protection	Iridite Chromate Conversion Coating + Powdercoat Paint
Ingress Protection	IP66
STORAGE	
Refer to the Lithionics® Website for the Storage Procedure	
ELECTRICAL	
Internal Resistance	<3mff
Coulombic Efficiency	99%
Self-Discharge Rate (per month)	<3%
Cell Type	$LiFePO_4$ Prismatic Cells
Power Connection	Copper Terminals, Nickel Plate, M8-1.25 Female Threads
Series Connection	Not Supported
CHARGE	
Charge Voltage	14.4V 30.2V
Operating Temperature Range	32°F (0°C) to 140°F (60°C) (Ambient -4°F (-20°C) with Heater Power)
Recommended Charge Current	<150A
Float Voltage	13.6V 30.2V
Max Charge Current	<200A
DISCHARGE	
Operating Voltage Range	10.8V to 14.4V 30.2V
Operating Temperature Range	-4°F (-20°C) to 140°F (60°C)
Recommended Discharge Current	<150A
Max Discharge Current	<230A
Pulse Current (1 second)	<1,200A
Low Cut-Off Voltage	10.8V 30.2V
Reserve Voltage Cut-Off	12V 30.2V

1. UL 1973 Certified: Battery is UL 1973 Certified when used with external circuit breaker and ampseal connector.
2. Inverter compatibility: up to 3,000W. For inverters exceeding 3,000W, consider an external Battery Management System (BMS) for higher performance.
3. Maximum charging and discharging rates dependent upon the ambient temperature and usage. UL1973 testing: Maximum charge and discharge currents were tested at 25°C/77°F

Powering Innovation.
Discover the right lithium replacement system for you. Reach out to Lithionics’ expert support team to find your perfect power solution.