

ELP-02426

NATO 6T LiFePO4 Rechargeable Battery

Description and Features

- NATO 6T LiFePO4 battery for armored and military vehicles and heavy duty applications
- 2.7 times more energy than in advanced Lead Acid batteries
- 3500 charging cycles and 10 year operational life
- Drop-in replacement of Lead-Acid batteries
- Smart battery with self-balancing and self-charging capability
- Serial and parallel interconnectivity with additional batteries supporting group operation
- Unique high current charge regulator that supports high power alternator feed and surges.

Charge Method (CCCV)

- Embedded charge controller
- Charge source: 30VDC power supply or 28V alternator
- Charging Voltage: 28.8VDC
- Recommended Charging current: 55A
- Fast Charging: 110A
- High current charge regulator that supports high power alternator feed, surges and differential battery SOC

BMS

- Protection: Under/over voltage; over-current; Short circuit; Reverse polarity; High/low temperature; Balance
- Communication: standard and configurable CANBus 2.0B;
 LED Fuel Gauge

Tel: 972-8-655-6280

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Quality System

ISO-9001:2008; AS-9100

Applicable Standards

- UN-38.3
- UL- 1642 / IEC 61233 (for cells)

MSDS and Disposal

Check with manufacturer

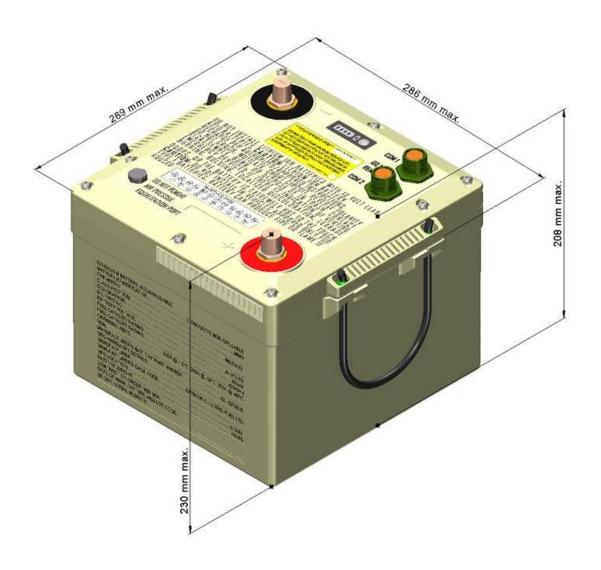


Electrical	2.74 kWh
Capacity (typical)	108 Ah
Energy	2740 Wh
Voltage (min, nom, max)	20.0V, 25.6V, 28.8V
Max charge	110A
current	 >120A will operate using charge current regulation
Max. discharge current	1,200A @ 500msec pulse, 1.67% duty cycle
Cold Crank Amps	1,100A @ -19°C , 14.4V with 11min pre-heating, 11.7 V w/o pre-heating
Life Cycle	3,500 cycles to 70% of initial capacity
Internal resistance	< 5.5mΩ @ 25°C

Mechanical	
Dimensions (L;W;H)	267mm;285mm;230mm
Weight	26 kg
Energy Density	105 Wh/kg; 157 Wh/L
Battery Housing	Reinforced polymer
Ingress Protection	IP67
Color	Coyote Broun

Environmental	
Charge temp.	-40°C to 55°C (internal heater)
Discharge temp.	-40°C to 71°C (internal heater)
Storage temp.	-40°C to 71°C (accelerated aging at temperatures > 30°C)
Transportation	Class 9





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