

## ELP-02426-M

NATO 6T LFP Rechargeable Battery in a Metal-Case

### Description and Features

- NATO 6T LiFePO4 (LFP) battery for armored and tactical vehicle applications
- Meets US ARMY MIL-PRF-32565C safety and communication requirements
- 2.5 times more energy than in similar Lead-Acid batteries
- 3,500 charge cycles and 10-year operational life
- Smart BMS with charge current protection and self-balancing
- Serial and parallel connectivity with additional batteries supporting high voltage and high-power applications.

### Charging Method (CCCV)

- Source: 28.8VDC power supply / 28.5V alternator
- Charging voltage: 28.8VDC
- Recommended charging current: 50A
- Max charging current: 100A cont.; 300A for 5min
- Charging in cold weather with automatic internal heater

### BMS

- Protection: under/over voltage; charge/discharge over-current; short circuit; reverse polarity; high/low temperature; balance
- Communication: CAN-Bus according to MIL-PRF-32565C; LED Fuel Gauge

### Quality System

- ISO-9001:2015; AS-9100D

### Applicable Standards

- UN-38.3
- UL- 1642 (for cells)
- MIL-STD-1275E
- MIL-STD-810G
- MIL-STD-461G
- MIL-PRF-32565C

### MSDS and Disposal

- Check with manufacturer



### Electrical

### 2.56 kWh

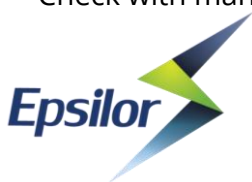
Capacity (typical)	100 Ah
Energy	2,560 Wh
Voltage (min, nom, max)	19.0V, 25.6V, 28.8V
Max charge current	100A continuous 300A for 5min
Discharge current	Continuous: 300A @ 25°C Peak: 1,100 (30s)
Cold Crank Amps	500A @ -19°C (30s)
Life Cycle	3,500 cycles to 70% capacity @ 100% DOD

### Mechanical

Dimensions (L;W;H)	268mm;286mm;230mm (NATO 6T)
Weight	25.3 kg
Energy Density	101 Wh/kg; 145 Wh/L
Battery Housing	Aluminum
Ingress Protection	IP68
Color	NATO Tan

### Environmental

Charge temp.	-46°C to 55°C (with internal heater)
Discharge temp.	-46°C to 71°C
Storage temp.	-54°C to 88°C (accelerated aging @ temperature >30°C)
Transportation	Class 9



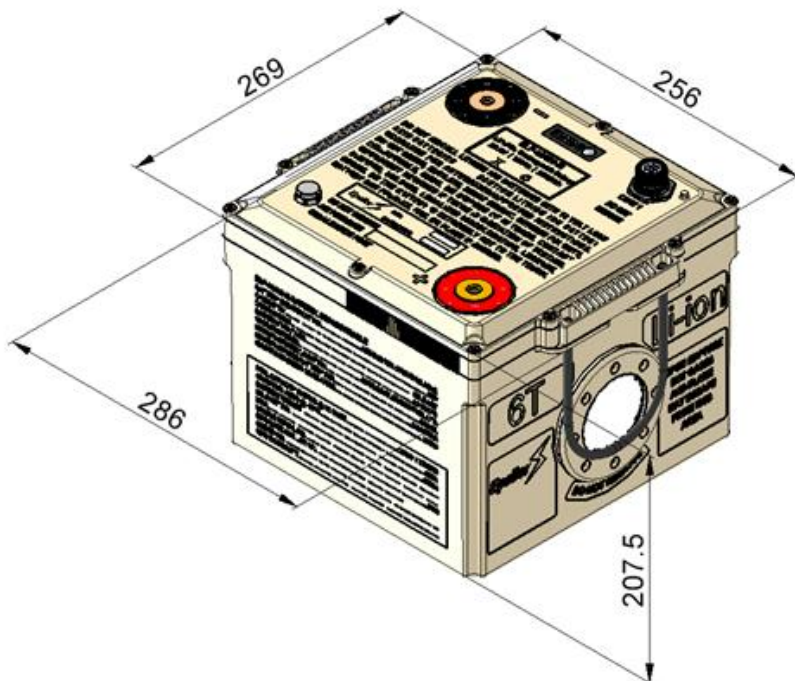
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# COMBAT6T

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