

ELP-02426

NATO 6T LFP rechargeable battery in a polymer case

Description and Features

- NATO 6T LFP battery for defense vehicle applications
- Meets MIL-PRF-32565C communication requirements
- 2.5 times more energy than in NATO Lead Acid (AGM, Gel) batteries
- 3,500 charge cycles and 10-year operational life
- Smart BMS with self-charging and self-balancing
- Parallel connectivity with additional batteries supporting high voltage and high-power applications
- Consult manufacturer regarding connection of batteries in series.

Charge Method (CCCV)

- Charging source: 28.8VDC power supply or 28V alternator
- Charging voltage: 28.8VDC
- Recommended charging current: 50A
- Max charging current: 300A cont.
- Charging in cold weather conditions with automatic internal heater

BMS

- Protection: under/over voltage; over-current; short circuit; reverse polarity; High/low temperature; Balance,
- Communication: CAN Bus 2.0, SAE J1939, 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



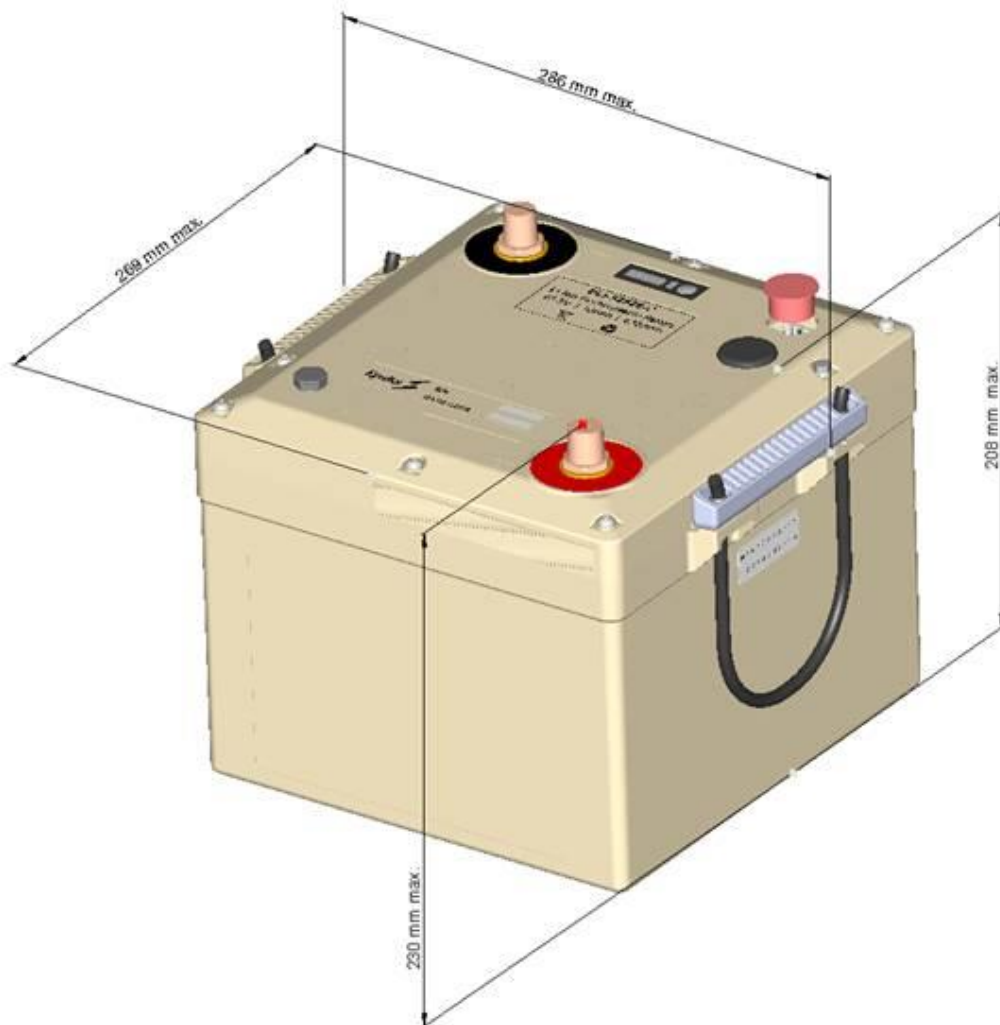
Electrical	2.56 kWh
Capacity (typical)	100 Ah
Energy	2,560 Wh
Voltage (min, nom, max)	19.0V, 25.6V, 28.8V
Max charge current	300A continuous
Discharge current	Continuous: 300A Peak: 1,100 (30s)
Cold Crank Amps	500A @ -19°C
Life Cycle	3,000 cycles to 70% capacity @ 100% DOD

Mechanical	
Dimensions (L;W;H)	268mm;286mm;230mm (NATO 6T)
Weight	24 kg
Energy Density	106.7 Wh/kg; 145.5 Wh/L
Battery Housing	Reinforced Polymer
Ingress Protection	IP67
Color	NATO Tan

Environmental	
Charge temp.	-46°C to 55°C (with internal heater)
Discharge temp.	-40°C to 71°C
Storage temp.	-54°C to 88°C (accelerated aging @ temperature >30°C)
Transportation	Class 9

COMBATBT

DEFENCE VEHICLE BATTERY



Rotem Industrial Park
M.P. Arava, 8680600, Israel

Tel: 972-8-655-6280
Fax: 972-8-655-5960

info@epsilor.com
www.epsilor.com