

super6T™ UNIVERSAL NATO 6T BATTERY

Safe. Secure. Sovereign.

World-first Australian engineered, cybersecure manufactured all-in-one NATO 6T battery



Universal

Uniquely supports both energy and power military applications



Safe

The high-energy lithium ion battery is the safest cell design on the market today



Value per kWh

The 6T's design makes it one of the most cost efficient Li-Ion batteries available



Australian

Designed, manufactured, serviced and supported in Australia



Secure

Australian Cyber-Secure BMS ensure the battery is safe and secure



Climate Optimised

Designed to operate in -46°C to 71°C climates



Lighter

At 23kgs, the EDEA 6T NATO is only 60% the weight of a lead acid battery



EDEA Universal 6T NATO has been developed for energy and power military applications.



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6T NATO 24V Lithium-ion battery system

1-B100L

A new benchmark for NATO 6T Performance

100% Australian made

Universal NATO 6T LiFePO₄ battery for armoured, military vehicles and heavy duty applications

Australian designed, coded, cyber-secure BMS which is self-charging, self-balancing, and CAN monitoring

2.5x more energy than in advanced Lead Acid batteries

ISO-9001 Certified

Charge Method (CCCV)

- FEP Type 1-B100L
- Charging source: 30 V power supply or 28 V alternator
- Charging voltage: 29.2 V max
- Recommended charging current: 50 A
- Max charging current: 300 A (thermally limited)
- Charging in cold weather conditions with automatic internal heater

Battery Management System (BMS)

- Customised software to protect cells and control the battery operation
- Includes Cell Balance and Sense Boards, Cell Module Heaters, and a Current Shunt
- The BMS is the heart of the protection system. It can receive information from external sources, such as a key switch, and send data to an external data collection system

Compliance

- MIL-STD-1275E
- MIL-STD-810G
- MIL-STD-461G
- MIL-PRF-32565C Amd. 1

Colour	SAE AMS-STD-595 // 33446
Weight (max)	23 kg
Nominal Voltage	25.6V
Full charge capacity	100 Ah (at 22 °C)
Cranking amps	2,000 A for 0.1 sec 1,100 A for 30 sec
Cranking amps	1,100 A for 30 sec
Deep cycle life	1,000 cycles at 38 °C 500 cycles at 50 °C
Battery service life	5 years
Continuous cycling current discharge rating	200 A
Continuous cycling current charge rating	200 A
Pulse load rating	1,100 A (at 30 seconds)
Rapid charging time	30 minutes
Operating temperature range	-46 to 71 °C
Storage temperature range	-54 to 71 °C
Minimum cranking voltage (below 0 °C)	14.4 V
Dimensions	253 x 266 x 205 mm
Energy Density	0.111 kWh/kg, 165kWh/m ³
Battery Shell	Powder Coated Stainless Steel
SAE J2464 Hazard Severity Level (battery nail penetration, crush and overcharge abuse only)	≤ 4
SAE J2464 Hazard Severity Level (battery projectile penetration only)	≤ 6
Transportation	Level 9