



CRG Defense

Doing Defense Differently™



Li-Metal Cells

Power Where You Need It, When You Need It.

CRG Defense's high-energy Li-metal cells provide an impressive balance of specific energy, rate performance, and low-temperature capacity retention for demanding unmanned vehicle applications that require long-endurance, cold-weather operation, and US-sourcing.



Extreme Low Temperature

Operates from down to -40°C for outstanding mission flexibility in harsh conditions.



Lighter Weight

Up to 50% reduction in weight compared to legacy Li-ion batteries.



High Energy Density

Delivers 380 Wh/kg per cell for optimized flight time and payload capacity.



Made in America

Designed and manufactured in the USA for compliance and reliability in defense and government operations with more than 95% of value derived from non-FEOC sources.

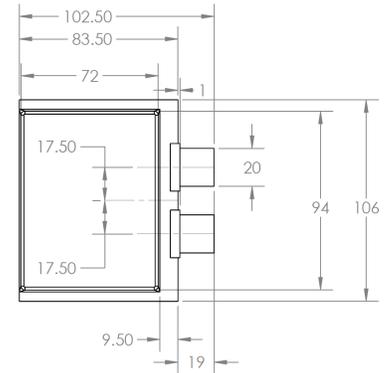


Extended Cycle Life

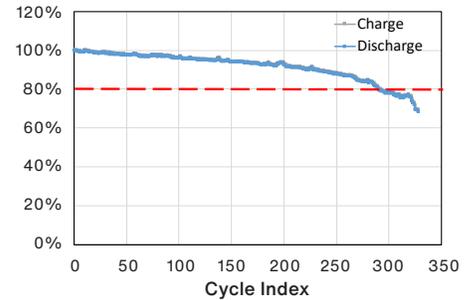
Supports more than 250 charge/discharge cycles for maximum value.

Technical Specifications

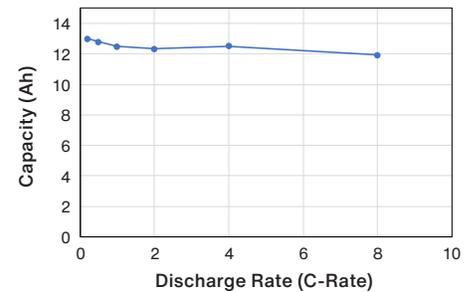
Nominal Cell Rating	
Nominal Voltage	3.85 V
Nominal Capacity (C/10)	12.5 Ah
Specific Energy	380 Wh/kg
Impedance	4 mΩ
Cycle Life (C/10, 1 C) 100% DOD	>250 cycles
Discharging	
Max. Continuous Current	5C
Max. Pulse Current (30 sec)	10C
Min. Voltage	2.5 V (cycle 2.7 V)
Temperature Range	-40 to 60°C
Charging	
Recommended Current	C/10
Max. Continuous Current	C/5
Recommended Charge Voltage	4.5 V
Recommended Cutoff Current	675 mA (C/20)
Storage	
Temperature Range	-40 to 70 °C
Mechanical	
Type	Pouch cell
Dimensions	94 x 72 x 8.75 mm
Weight	127 g
Special Note	Compression required



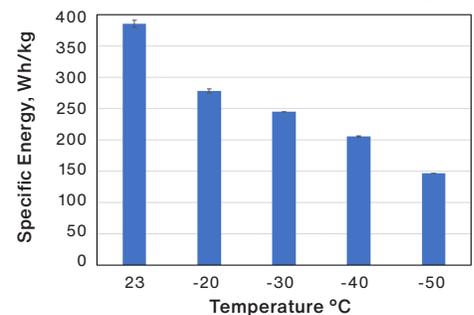
Cycle Life



Discharge Rate



Low Temp. Discharge



Learn more:
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