

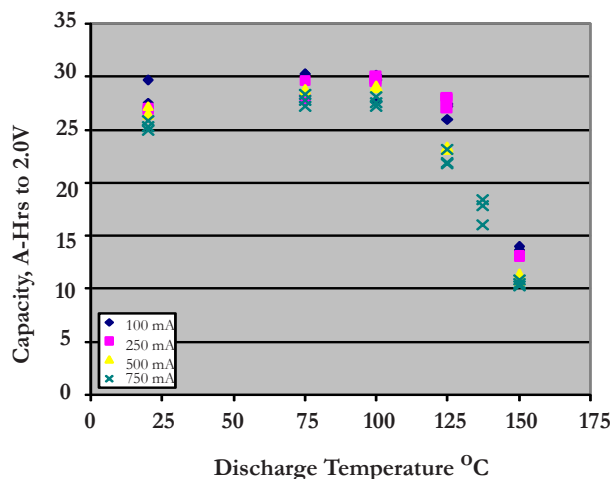
LITHIUM SULFURYL CHLORIDE CELL

Technical Overview

Patent Pending

Open Circuit Voltage (25°C)	3.9 V
Rated Discharge Current	500 mA
Nominal Capacity	29.0 Ah
Energy	113 Wh
Cell Diameter (nominal)	31.75 mm (1.25 in.)
Cell Length (nominal)	125.1 mm (4.93 in.)
Cell Weight	220 g
Lithium Weight	8.4 g
Self Discharge	2% per year at 25°C
Full Operating Temperature Range	-40°C to +150°C
	-40°F to +302°F
Optimizing Temperature Range	+75°C to +125°C
	+167°F to +257°F

Capacity vs. Temperature



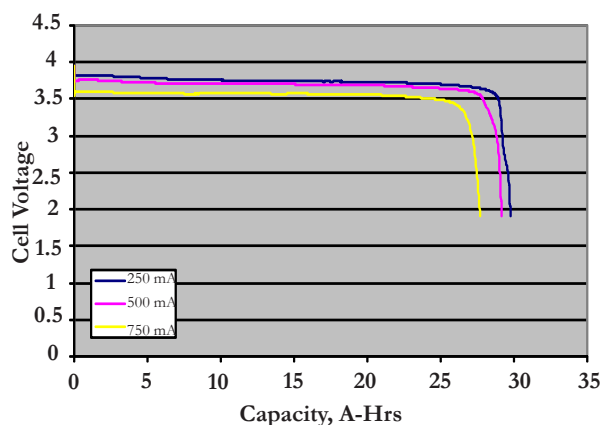
Key Features:

- Primary chemistry (non-rechargeable)
- Moderate rate capability
- Stainless steel container
- Hermetic glass-to-metal sealing
- Built to withstand extreme shock and vibration
- Wide operating temperature range as low as -40°C and up to +150°C
- Low self discharge rate (2% per year at 25°C)
- Restricted for transportation (Class 9)
- Custom terminations available

Main Applications:

- Downhole oil & gas
 - Measurement While Drilling (MWD)
 - Logging While Drilling (LWD)
- Military devices

100°C continuous discharge



NOTICE: The information on this datasheet is for single cells only. Please consult with Electrochem if you are interested in additional information. The information in this document is subject to change without notice and does not constitute a warranty of performance.