

MODERATE RATE LITHIUM CELL 25-102-165MR SERIES: 4285 SIZE CC

LITHIUM THIONYL CHLORIDE CELL

	1
Open Circuit Voltage (25°C)	3.67 V
Rated Discharge Current	100 mA
Rated Capacity	14 Ah
Maximum Continuous	
Current	225 mA
Cell Diameter (nominal)	24.6 mm
Cell Length (nominal)	101.6 mm
Cell Weight	95.0 g
Lithium Weight	4.6 g
Self Discharge	2% per year at 25°C
Operating Temperature	-40°C to +165°C
	-40°F to +329°F
1	1

Technical Overview

16 15 14 13 13 13 10 12 10 0 20 40 60 80 100 120 140 160

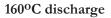
Capacity as a function of current and temperature

Key Features:

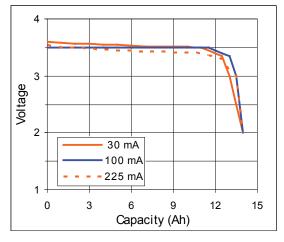
- Primary chemistry (non-rechargeable)
- Moderate rate capability
- Stainless steel container
- Hermetic glass-to-metal sealing
- Built to withstand extreme shock and vibration
- Wide operating temperature range as low as -40°C and up to +165°C
- Low self discharge rate (2% per year at 25°C)
- Restricted for transportation (Class 9)
- Custom terminations available

Main Applications:

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



Temperature (°C)



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.

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