

Oil&Gas -MWD/LWD

MODEL : CC-MR 165(25mm) PN : 25-102-M165(25mm)



ISO 9001 : 2008
ISO 14001 : 2004
MSDS, RoHS, UN

Characteristics

- 3.6V CC-Size Lithium Thionyl Chloride Cell(Li-SOCl₂) Gallium Electrolyte
- Moderate Rate Capability
- High Capacity
- Extreme Shock and Vibration Resistance
- 165°C Maximum Operational Temperature

Key Features

- 304L stainless steel structure
- Non-bulge design
- Hermetic glass-to-metal seal engineered for leak free operation
- Internal parallel diode
- Reduced Electrode Surface Area, high rate capability & lower self-discharge

Benefits

- Industry leading capacity in Non-Bulge Design
- Moderate Rate Capability for constant current and pulse applications
- Gallium based electrolyte providing excellent start up and minimal passivation
- Automated assembly for uniform performance
- Extreme shock and vibration resistant design, trouble free operations under severe drilling conditions

Technical Support

- We pledge our full support to provide you with the service you deserve
- Application Analysis
- Testing and Test Reports
- Analysis of field problems and reports
- Engineering support for custom applications

Abuse and Transport Certifications

- UN/DOT Certified : Class 9 Transport, UN3090 Lithium Metal Batteries
- Shock Testing : To be determined
- Vibration Testing : To be determined

Cell Characteristics

Nominal Capacity 20°C - 165°C	11Ah ~ 13Ah
Open Circuit Voltage At 20°C	3.65V
Nominal Closed Circuit Voltage	3.2V(at 80mA)
Based on stable CCV produced at 25°C. The CCV of a cell will decay slightly over discharge due to the normal increase in internal impedance.	
Constant Current Discharge	150mA 225mA(reduced capacity)
Storage Conditions	30°C (86°F) Max
Operational Temperature Range	-40°C to 165°C
Note full capacity is obtained at temperatures of 25°C and above. Below 25°C both the rate capability and the capacity of the cell are reduced.	
Parallel Diode	1.0A

Physical Characteristics

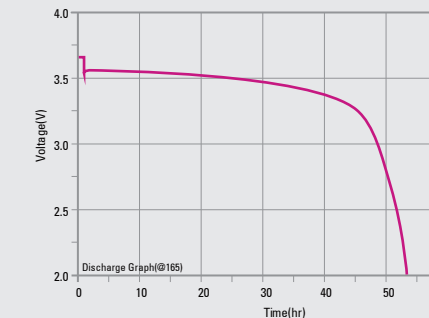
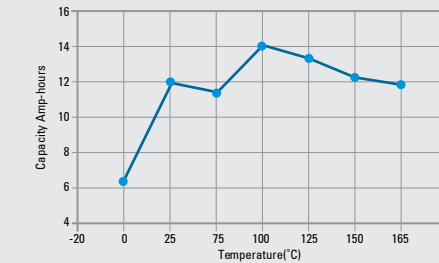
Diameter	24.75mm(0.97 in)
Height	102.1mm(4.02 in)
Weight	115g
Lithium Metal Content	4.0g

Packing Information

Packing Qty per C/T	80
Net Weight per C/T(Kg)	9.2
Gross Weight per C/T(Kg)	10.3
C/T Size	427mm×302mm×210mm

Capacity vs. Temperature

Discharge Temperature vs. Nominal Capacity
14Ω(CC-MR 25) Discharge 0°C to 165°C



Storage

- Store cells in a cool(<30°C) and dry location

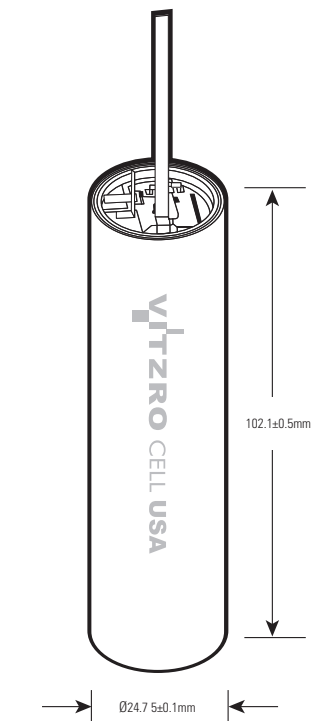
Warning

- Fire, explosion, and burn hazard
- Contents of this hermetically sealed cell are water reactive and will produce flammable and toxic gases if exposed to water
- Do not recharge, expose to flame, short circuit, crush, disassemble, or incinerate
- Do not expose cell to temperatures in excess of the maximum operating temperature, 165°C

Note

- Any information given here is for reference only. Information is also dependent on actual conditions and does not guaranty future performance. And subject to change.

External Dimensions



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