

# 4427

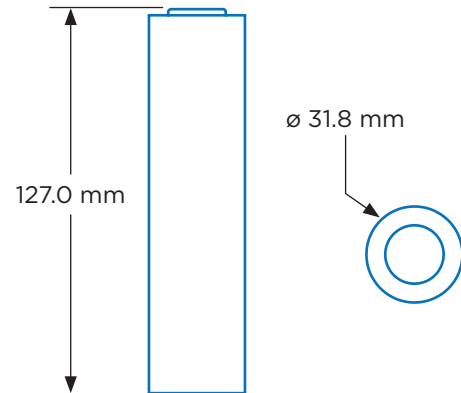
## Moderate Rate DD Cell Lithium Thionyl Chloride

### 165MR Series

#### Physical Characteristics

<b>Chemistry</b>	Thionyl Chloride
<b>Construction</b>	Dual Anode
<b>Cell Size</b>	DD
<b>Length<sup>1</sup></b>	127.0 mm
<b>Diameter<sup>2</sup></b>	31.8 mm
<b>Cell Weight</b>	212.0 g
<b>Lithium Weight</b>	8.2 g
<b>Integrated Safety Fuse</b>	N/A

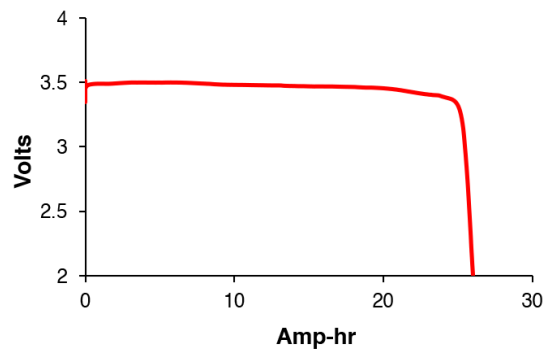
Cell Drawing



#### Electrical Characteristics

<b>Cell Type</b>	Primary
<b>Open Circuit Voltage (25°C)</b>	3.67 V
<b>Nominal Capacity</b>	26 Ah
<b>Maximum Continuous Current</b>	500 mA
<b>Operating Temperature</b>	-40°C to +165°C
<b>Self Discharge Rate</b>	<2% per year
<b>Storage Temperature</b>	≤ 25°C
<b>Discharge Condition</b>	200 mA, 23°C

Discharge Curve  
200 mA, 23°C



#### Key Features

- Primary chemistry (non-rechargeable)
- Moderate rate capability
- Stainless steel container
- Hermetic glass-to-metal sealing
- Built to withstand extreme shock and vibration
- Restricted for transportation (Class 9)
- Custom terminations available

#### Main Applications<sup>3</sup>

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

NOTE: <sup>1</sup>The information on this datasheet is for marketing purposes only. Please consult with Electrochem for more information regarding how our cells will perform within your application. <sup>2</sup>The information in this document is subject to change without notice and does not constitute a warranty of performance. <sup>3</sup>This product and its external electrical contact materials are RoHS compliant. See our "RoHS Statement" for more information. <sup>4</sup>The length dimension was based off of a flat termination. The use of other terminations will impact overall cell length. <sup>5</sup>Diameter measurements include shrink when applicable. <sup>6</sup>The "Main Application" list does not include all potential applications, please consult Electrochem for your application needs.