# Lithium Thionyl Chloride Battery

**Brief Data-sheet Model: ER18505**

1. **Basic Specification** *(Typical values relative to cells stored for one year or less at +30°C Max.)*

<table>
<thead>
<tr>
<th>Item</th>
<th>Parameters</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>ER18505</td>
<td>Energy type</td>
</tr>
<tr>
<td>Nominal Capacity (mAh)</td>
<td>4000</td>
<td>at 2mA ±23°C, 2.0V cut-off</td>
</tr>
<tr>
<td>Nominal Voltage (V)</td>
<td>3.6</td>
<td>3.65V-3.67V</td>
</tr>
<tr>
<td>Standard discharge current (mA)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Maximum continuous current (mA)</td>
<td>120</td>
<td></td>
</tr>
<tr>
<td>Maximum pulse current (mA)</td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>Operating temperature range (°C)</td>
<td>-55~+85</td>
<td></td>
</tr>
<tr>
<td>Storage temperature (recommended)</td>
<td>+30°C Max.</td>
<td></td>
</tr>
<tr>
<td>Weight (g)</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

Customized a variety of JST/MOLEX/ORTHER etc. connector, terminal, Please contact HJBP engineer.

*Energy type is bobbin structure and best suit for low current discharge.
*It may require depassivation before medium currents can be delivered.

2. **Electrical Characteristics and Dimension**

![Graph](image1)

![Graph](image2)
3. Key feature

- High and stable operating voltage.
- Stainless steel container
- Non-flammable electrolyte
- Hermetic glass-to-mental sealing
- Low self discharge rate (less than 1% after 1 year of storage at +25℃)
- UL1642, CE certification, UN38.3, MSDS/SGS/ROHS test reporter, ISO19001 quality control system

4. Main applications

- Utility metering
- Military electronics
- Memory back-up
- Automatic meter reading
- Alarms and security devices
- Professional electronics
- Automotive electronics
- Tollgates systems

5. Warning

* Please keep away fire, explosion and severe burn hazard.
* Do not recharge, crush, disassemble, heat above 100℃.
* Do not solder directly to cell.

Note: Any representations in this brochure concerning performance are for informational purposes only and are not construed as warranties either expressed or implied, of future performance.