EEMB CO., LTD

Lithium Manganese Dioxide Battery Specification

High Power Type

锂二氧化锰电池

产品规格书

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<thead>
<tr>
<th>Model 型号:</th>
<th>2CR5SL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity 容量:</td>
<td>1500mAh</td>
</tr>
</tbody>
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Prepared编制                  Checked审核                  Approved批准

Customer 客户名称:

Customer Approval（Customer confirmation）客户确认:

Signature签字                  Checked审核                  Approved批准

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1. **Scope** 适用范围

This product specification defines the requirements of the Lithium Manganese Dioxide battery supplied to the customer by EEMB Co., Ltd.

本产品规格书适用于 EEMB 提供的锂二氧化锰电池。

2. **Features and Applications** 特征和应用

- ✓ Best suit for high current discharge for both continuous and pulse current.
- ✓ Light weight, high voltage and high energy density.
- ✓ Excellent stable discharge characteristics and outstanding temperature characteristics.
- ✓ Excellent leakage resistance and excellent long-term reliability.

3. **Battery Basic Characteristics** 电芯产品基本特性

<table>
<thead>
<tr>
<th>No. 序号</th>
<th>Item 项目</th>
<th>Characteristics 特性</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>Model 型号</td>
<td>2CR5SL</td>
</tr>
<tr>
<td>2.2</td>
<td>Nominal Capacity 标称容量</td>
<td>1500mAh</td>
</tr>
<tr>
<td>2.3</td>
<td>Nominal Voltage 标称电压</td>
<td>6.0V</td>
</tr>
<tr>
<td>2.4</td>
<td>Standard Discharge Current 标准放电电流</td>
<td>1.0mA</td>
</tr>
<tr>
<td>2.5</td>
<td>Max. Continuous Discharge Current 最大连续放电电流</td>
<td>1500mA</td>
</tr>
<tr>
<td>2.6</td>
<td>Max. Pulse Discharge Current 最大脉冲放电电流</td>
<td>3000mA</td>
</tr>
<tr>
<td>2.7</td>
<td>Weight 重量</td>
<td>Approx. 43g</td>
</tr>
<tr>
<td>2.8</td>
<td>Operating Temperature 工作温度</td>
<td>-40~85℃</td>
</tr>
<tr>
<td>2.9</td>
<td>Storage Temperature 存储温度</td>
<td>≤30℃</td>
</tr>
<tr>
<td>2.10</td>
<td>Storage Humidity 存储湿度</td>
<td>≤75%RH</td>
</tr>
</tbody>
</table>

Note:
At 1.0mA discharge current to 4.0V cut-off, +23 C. The capacity restored by the cell varies according to current drain, temperature and cut-off.
The readings may vary according to the pulse characteristics, the temperature, and the cell’s previous history. Operation above ambient temperature range may lead to reduced capacity and lower voltage readings at the beginning of pulses. Consult EEMB.
4. **Battery Cell Shape and Dimensions (Unit: mm)**

产品外形及尺寸（单位：mm）

5. **Appearance 外观**

It shall be free from any defects such as remarkable scratches, breaks, cracks, discoloration, leakage, or middle deformation.

电池表面无划伤、裂纹、脏点、锈蚀、变形、变色、漏液等缺陷，中间无翘起。

6. **Characteristics Curve 特征曲线**
7. Matters Needing Attention 注意事项

Strictly observes the following needing attention. EEMB will not be responsible for any accident occurred by handling outside of the precautions in this specification.

严格遵守以下注意事项。对于因本规范中的预防措施之外的操作而发生的任何事故，EEMB 概不负责。

! Caution 警告

- Use Nickel-plated iron or Nickel-plated stainless steel for the terminals that contact the battery. 使用镀镍铁或镀镍不锈钢作为接触电池的端子。
- Make sure that terminal contact pressure is 50g minimum, for a stable contact. 确保端子接触压力最小为 50g，以确保稳定接触。
- Keep the battery and contact terminal surfaces clean and free from moisture and foreign matter. 保持电池和接触端子表面清洁，避免受潮和异物进入。
- Before inserting the battery, check the battery contact terminals to make sure they are normal, not bent or damaged. (Bent terminals may not make good contact with the battery or may cause short circuit.) 在插入电池之前，请检查电池接触端子，确保它们正常，没有弯曲或损坏。（弯曲的端子可能与电池接触不良或可能导致短路。）
- When the batteries are piled up in a disorderly way, their positive and negative terminals may short-circuit, consuming some batteries while charging others, causing explosion. 当电池无序堆积时，它们的正极和负极可能会短路，在给其他电池充电时消耗一些电池，从而导致爆炸。
- Lithium batteries that are almost exhausted can output a voltage that is almost the same as that of a new battery, please do not judge a battery only with a Voltmeter. Avoid using a mixture of old and new batteries; replace all batteries in a set with new one. 快用完的锂电池可以输出与新电池几乎相同的电压，请不要仅用电压表判断电池。避免新旧电池混用；用新的电池更换一套旧电池。
- Lithium batteries need a period of time to recover their normal voltage after even a slight short circuit. Therefore, if the battery is short-circuited, wait an adequate long time for batteries to recover before measuring their electrical characteristics. 锂电池需要一段时间来恢复其正常电压，即使短路也很轻微。因此，如果电池短路，需要等待足够长的时间让电池恢复，然后再测量其电气特性。
即使是轻微的短路，锂电池也需要一段时间才能恢复正常电压。因此，如果电池短路，请在测量电气特性之前等待足够长的时间让电池恢复。

- Use a high impedance (1M or higher) voltmeter to measure battery voltage.

- Battery characteristics vary with type and grade, even when batteries are the same size and shape. When replacing batteries with new ones, be sure to carefully check the symbols and numbers on them.

即使电池尺寸和形状相同，电池特性也会因型号和等级而异。更换新电池时，请务必仔细检查电池上的符号和数字。

**! Danger 危险**

- DO NOT recharge, short-circuit, disassemble, deform, heat or place the battery near a direct flame. This battery contains flammable materials such as lithium and organic solvent and performing any of the above actions could cause it to ignite explode or become damaged.

请勿在直接火焰附近充电，短路，拆卸，变形，加热或放置电池。该电池含有易燃材料，如锂和有机溶剂，上述任何操作都可能导致其爆炸或损坏。

- DO NOT over-discharge the battery. In case the battery is over-discharged battery has potential of explosion. When battery is over discharged, when connected with exterior power source or connected with other batteries in series, explosion may occur.

请勿过度放电。如果电池过度放电，电池可能会爆炸。如果电池过放电，当与外部电源连接或与其他电池串联时，可能会发生爆炸。

- Keep this battery out of the reach of children. If it is swallowed, contact a physician immediately.

请将此电池放在儿童接触不到的地方。如果吞下，请立即联系医生。

- When storing a battery or throwing it away, be sure to cover it with tape. If the battery is contacted with other metal objects, it could cause fire or become damaged.

存放电池或丢弃电池时，请务必用胶带包住电池。如果电池与其他金属物体接触，可能会引起火灾或损坏。

**! Warning 警告**

- Thoroughly read the user’s manual before use, inaccurate handling may cause leakage, heat, smoke, explosion, or fire, causing device trouble or injury.

使用前请仔细阅读用户手册，不准确的操作可能会导致泄漏，发热，冒烟，爆炸或起火，从而导致设备故障或人员受伤。

- Insert the battery with the "+" and "-" ends correctly oriented.

插入电池时，注意“+”极和“-”极方向正确。

- If the battery is used together with new batteries, do not use it with a different type battery.

如果电池与新电池一起使用，请勿将其与其他类型的电池混用。

- Do not solder the battery directly.

请勿直接焊接电池。

- Avoid storing the battery in direct sunlight, or in excessively hot and humid place.

避免将电池存放在阳光直射或过热和潮湿的地方。

EEMB reserves the final explanation. Please use battery strictly according to specification. EEMB will not be responsible for any inappropriate operation. EEMB keeps the right to change product specifications without previous notice. If any question, please consult with the manufacturer.