EEMB BATTERY

Lithium Manganese Dioxide Battery
Specification
锂二氧化锰电池
产品规格书

<table>
<thead>
<tr>
<th>Model 型号：</th>
<th>CR123A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity 容量：</td>
<td>1500mAh</td>
</tr>
</tbody>
</table>

Customer 客户名称：

Customer Approval（Customer confirmation）客户确认：

Address: 6/F, Block 110, Jindi Industrial Zone, Sha Tou Street, Futian District, Shenzhen, China
Postal code: 518048
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FAX: +86-755-83021966
https://www.eemb.com
Battery Structure 电池结构

1-Top Cap
2-Gasket
3-PTC
4-Explosion Proof
5-Connecting Strip
6-Insulator
7-Cathode
8-Separator
9-Anode
10-shell
11-Insulator
12-Connecting Strip
Catalog

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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. **Battery Basic Characteristics 电池基本特性**

<table>
<thead>
<tr>
<th>No.</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>CR123A</td>
</tr>
<tr>
<td>2.2</td>
<td>Nominal Capacity 标称容量</td>
<td>1500mAh (5mA discharge to 2.0V, end-off at 25℃)</td>
</tr>
<tr>
<td>2.3</td>
<td>Nominal Voltage 标称电压</td>
<td>3.0V</td>
</tr>
<tr>
<td>2.4</td>
<td>Max. Continuous Current 最大持续电流</td>
<td>1200mA</td>
</tr>
<tr>
<td>2.5</td>
<td>Max. Pulse Current 最大脉冲电流</td>
<td>2500mA</td>
</tr>
<tr>
<td>2.6</td>
<td>Weight 重量</td>
<td>Approx. 16g</td>
</tr>
<tr>
<td>2.7</td>
<td>Operating Temperature 工作温度</td>
<td>-30℃ ~ +60℃</td>
</tr>
</tbody>
</table>

3. **Dimension 尺寸 (Unit 单位: mm)**

4. **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。
5. Characteristics Curve 特性曲线
6. Warranty 保质期

6 months warranty for sample battery after date of production. One year warranty for finished battery after the date of production.

6个月的样品电池保质期从生产日期起。产品电池保质期自生产日期起为1年。

7. Matters Needing Attention 注意事项

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

您必须严格遵守下述电池使用注意事项。对于没有按照以下注意事项所造成的任何意外事故，EEMB不负有任何责任。

! Caution 注意

- 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的端子与电池接触。
- Make sure that terminal contact pressure is 50g minimum, for a stable contact.
- 确保电池端接触压力最小为50g，以保证稳定接触。
- Keep the battery and contact terminal surfaces clean and free from moisture and foreign matter.
- 保持电池和接触端表面清洁、无水分或异物。
- 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.)
- 在安装前，检查电池端子，确保其正常、无弯折或损坏。（弯的端子可能造成接触不良或短路）
- 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.
- 当电池无序堆放时，正负极端子可能会发生短路、电池间的充放电，甚至造成爆炸。
- 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. Do not mix batteries of different types and brands, or new and used batteries. We are well informed that battery pack should be assembled with single batteries of similar voltage, capacity and inner resistance.

- 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.
- Use a high impedance (1M or higher) voltmeter to measure battery voltage.
- Add fuse between negative and connector. Once short circuit, it will cut immediately and permanently.
- Do not contact terminals with conductive i.e. metal, goods. Keep batteries in non-conductive, i.e. plastic, trays.

**Danger**

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

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

- Insert the battery with the "+" and "-" ends correctly oriented.
- 在装入设备时注意电池的正负极不要反装。
- If the battery is used together with new batteries, do not use it with a different type battery.
- 禁止把电池同干电池或其它原电池或者新旧电池一起使用，也不要同不同包装、不同型号或不同品牌的电池一起使用。
- Do not solder the battery directly. Protect the welding point and connector.
- 禁止直接对电池进行焊接。对焊点和插头做好保护措施。
- The battery should be preferably stored in dry and cool conditions. Avoid storing the battery in direct sunlight, or in excessively hot and humid place. Storage at high temperature must be avoided to preserve the battery life time.
- 电池应贮存在通风干燥处。请勿将点出贮存在阳光直射下或高温高湿环境中。为保持电池使用寿命，请避免在高温中贮存电池。

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.

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