

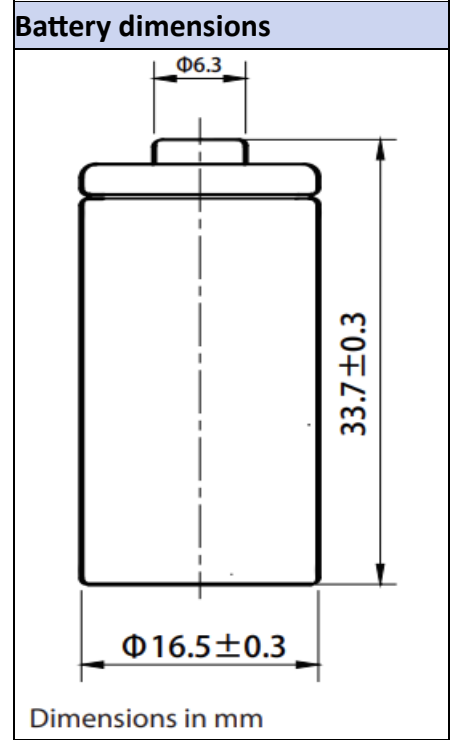
## Primary Lithium Battery Li-MnO<sub>2</sub>

| Primary characteristics |       |      |
|-------------------------|-------|------|
| Parameter               | Value | Unit |
| Nominal voltage         | 3.0   | V    |
| Rated capacity          | 1600  | mAh  |

### Scope

The purpose of this product specification is to provide technical information for the lithium Li-MnO<sub>2</sub> battery CR123A.

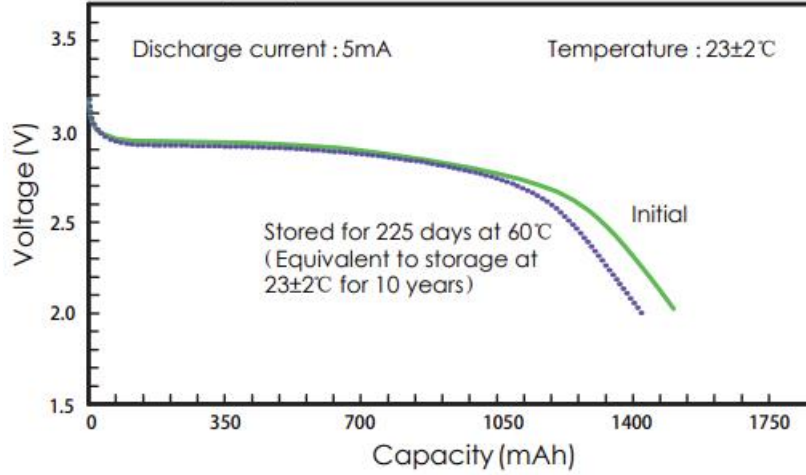
The test shall be conducted in strict accordance with the method specified in this specification. If you have any objection to the test items or test methods, please contact Akyga battery.



| Specification table                                 |         |      |
|---|---------|------|
| Parameter   | Value   | Unit |
| Battery model                                       | CR123A  |      |
| Nominal voltage                                     | 3.0     | V    |
| Nominal capacity                                    | 1600    | mAh  |
| Maximum continuous current (At +25°C, 2.0V cut-off) | 1600    | mA   |
| Maximum pulse discharge current                     | 3200    | mA   |
| Operating temperature                               | -40/+70 | °C   |
| Average weight                                      | 20      | g    |
| Wire length   | 150     | mm   |
| <b>Notes:</b>                                       |         |      |

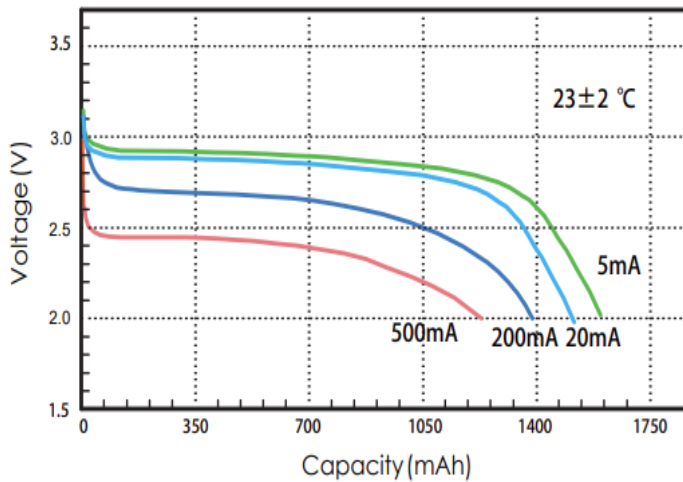
Storage characteristics

Storage characteristics



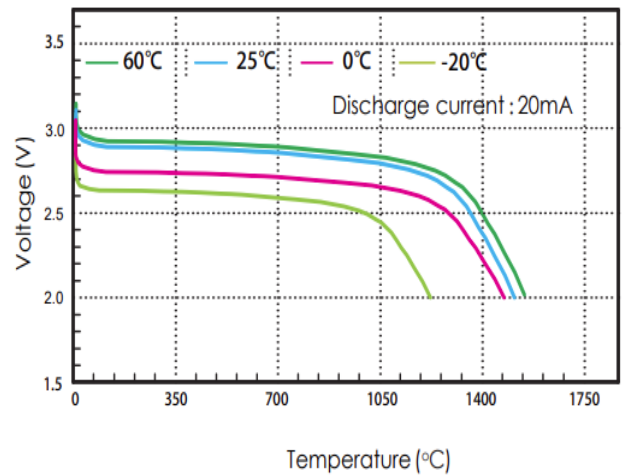
Discharge characteristic

Typical discharge profiles at 23±2°C  
(at mid-discharge)



Voltage vs temperature

Typical discharge profiles with different current  
(at discharge stable phase)



## Key Features

- Optimized Battery Structure, Full Discharge Capacity
- Long Endurance
- No Passivation
- UL, RoHS Certified

## Main Applications

- Security System
- Smart Metering
- RFID and Tracking System
- Wireless Transmitting
- Smart Home Devices
- Military Devices

## Warning

- Do Not Short Circuit
- Do Not Recharge
- Do Not Puncture
- Do Not Crush
- Do Not Dismantle
- Do Not Incinerate
- Do Not Mix New and Used Batteries
- Do Not Heat Above 100°C

## Storage

- The batteries should be stored at  $\leq +30^{\circ}\text{C}$  and  $\leq 75\% \text{RH}$
- The batteries should not be stored next to heat sources or in direct sunlight. The storage area should be clean, cool, dry, ventilated and weatherproof.
- The height to which batteries may be stacked is clearly dependent on the strength of the packing. As a general rule, this height should not exceed 1.5m for cardboard packages nor 3m for wooden cases.
- Store and display batteries in their original package. The batteries may be short-circuited or damaged if been unpacked and stacked messily.
- Long Shelf Life (less than 1% per year after 1 year of storage at 25°C)

## Declaration

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