



Primary Lithium Battery

CP402523

3.0V [Li-MnO₂]

BENEFITS

- High Voltage Response, Stable During Most of the Lifetime of the Application
- Energy Density up to 830Wh/L
- Wide Operating Temperature Range (-40℃ ~+70℃)
- Low Self-discharge Rate (less than 1% per year after 1 year of storage at +25℃)

KEY FEATURES

- Optimized Battery Structure, Full Discharge Capacity
- Long Endurance
- No Passivation
- GB 8897.4-2008、IEC 60086.4:2014 and RoHS

MAIN APPLICATIONS

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

References Data

Electrical characteristics

Open circuit voltage (at +25℃) ≥3.10V

Nominal capacity 400mAh
(At +25℃, battery discharged at continuous current 1mA until voltage reaches cut-off voltage 2.0V. The capacity can vary at different temperature, discharge current or cut-off voltage.)

Maximum continuous current 200mA
(At +25℃, 2.0V cut-off, battery discharged for minimum 50% of rated capacity.)

Maximum pulse discharge current 300mA
(At +25℃, 2.0V cut-off, battery discharged for minimum 50% of rated capacity with max pulse for 3 seconds after 27 seconds break. For more battery capacity, please consult HCB.)

Storage (recommended) ≤+30℃
(For more severe conditions, consult HCB) ≤75%RH

Operating temperature range -40℃~+70℃
(Operation above ambient Temperature may lead to reduced capacity and lower voltage readings at the beginning of pulses, consult HCB.)

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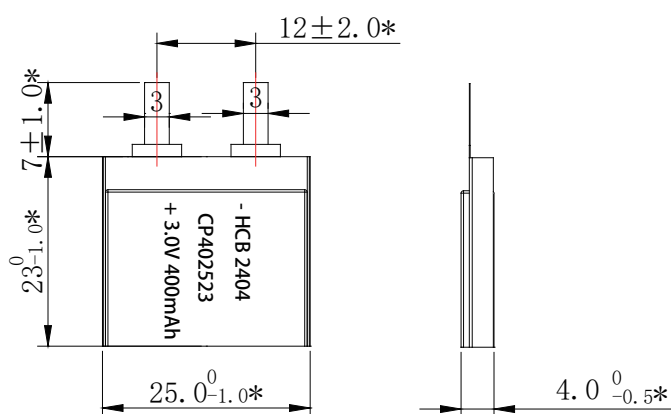
3.0V [Li-MnO₂]



HCB
昊诚锂电

Physical characteristics

Width	25.0 ⁰ _{-1.0} mm
Height	23.0 ⁰ _{-1.0} mm
Thickness	4.0 ⁰ _{-0.5} mm
Typical weight	3.5g
Li metal content	0.16g



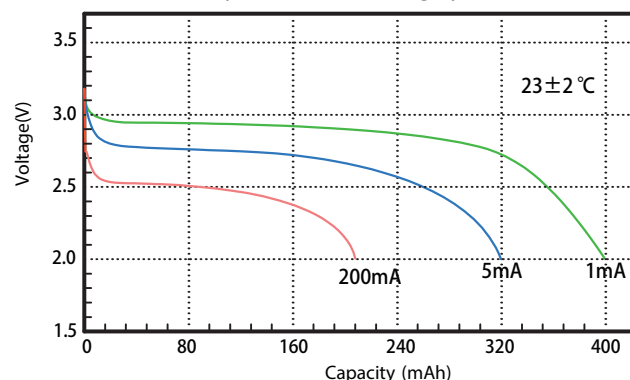
Dimensions in mm (GB1804-m)

WARNING:

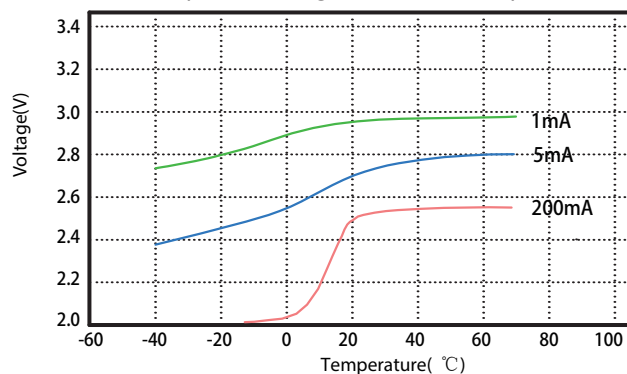
- Do Not Short Circuit
- Do Not Recharge
- Do Not Puncture
- Do Not Crush
- Do Not Dismantle
- Do Not Incinerate
- Do Not Mix New and Used Batteries
- Do Not Heat Above 100°C

This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Contact HCB for the latest information

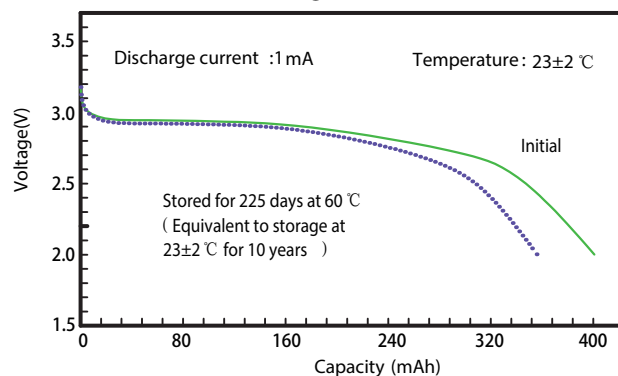
1. Typical discharge profiles at 23±2°C
(at mid-discharge)



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



3. Storage characteristics



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