We Power Your Technology

Primary Lithium Battery
CR14250SE

3.0V [Li-MnO_2]
1/2AA-size bobbin cell



BENEFITS

- High and Stable Operating Voltage
- Energy Density up to 830Wh/L
- Wide Operating Temperature Range (-40℃~+85℃)
- 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°C)	≥3.10V
Nominal capacity	900mAh

(At +25°C, battery discharged at continuous current 0.5mA until voltage reaches cut-off voltage 2.0V. The capacity can vary at different temperature, discharge current or cut-off voltage.)

Maximum continuous current	7mA

(At +25°C, 2.0V cut-off, battery discharged for minimum 50% of rated capacity.)

Maximum pulse discharge current	70mA

(At +25°C, 2.0V cut-off, battery discharged for minimum 50% of rated capacity with max pulse for 3 seconds after 27 seconds break. The discharged capacity may vary according to the pulse characteristics, the temperature, and the cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions, consult HCB.)

Storage (recommended)	≤+30°C
(For more severe conditions, consult HCB)	≤75%RH
Operating temperature range	-40°C~+85°C

(Operation above ambient temperature may lead to reduced capacity and lower voltage readings at the beginning of pulses, consult HCB.)

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No.: HCB-MKT.PM-S[V2.0 2023 05]

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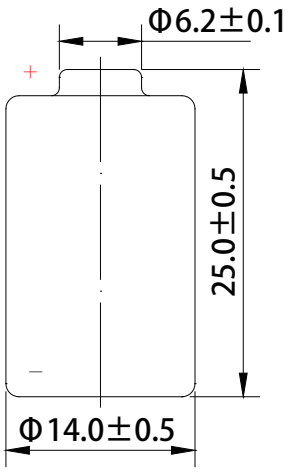
Physical characteristics	
Diameter	14.0±0.5mm
Height	25.0±0.5mm
Typical weight	11.0g
Li metal content	0.32g

MSDS as per request

Diode (1N4007, 1N5819)

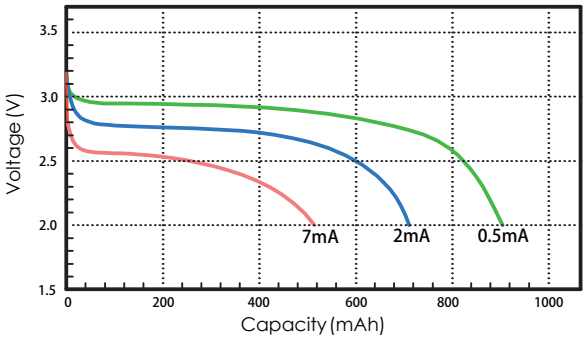
PTC (SRS175...)

Tag, wire, connector, etc. available

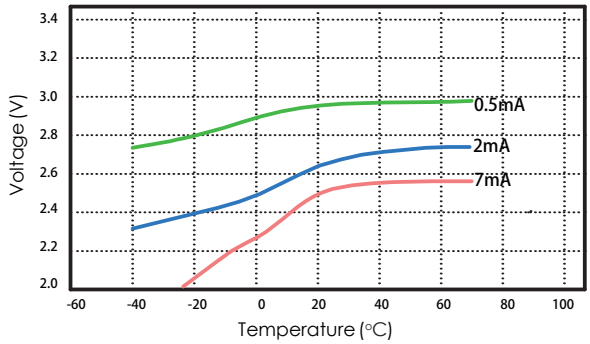


Dimensions in mm（GB1804-m）

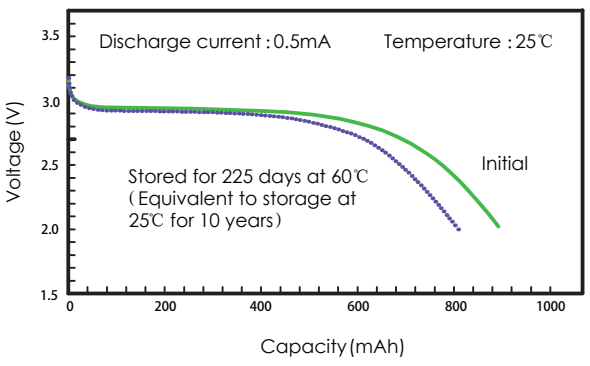
1.Typical discharge profiles at 25°C
(at mid-discharge)



2.Voltage plateau versus Current and Temperature
(at discharge stable phase)



3.Storage characteristics



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℃

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/specif -ications are subject to modification withour notice.
Contact HCB for the latest information

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