

Primary Lithium Battery

CR14250SE

3.0V [Li-MnO₂]

1/2AA-size bobbin cell



BENEFITS

- High and Stable Operating Voltage
- Energy Density up to 830Wh/L
- Wide Operating Temperature Range (-40°C ~+85°C)
- Low Self-discharge Rate (less than 1% per year after 1 year of storage at +25°C)

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.)

HCB BATTERY CO., LTD

Add: Special No 1. Taizhong Avenue, Gaoqiao Industrial Park, Wujiaoshan Economic Development Zone, Wuhan, P.R.China

P.O.: 430040

Tel: +86(0)27 83248452

Fax: +86(0)27 83248455

Email: haocheng@cnhcb.com

Web: www.cnhcb.com

No.: HCB-MKT.PM-S[V2.0 2018 02]

Primary Lithium Battery CR14250SE



3.0V [Li-MnO₂]

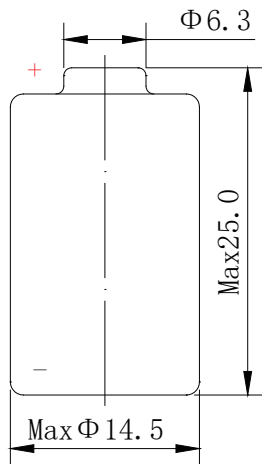
1/2AA-size bobbin cell

Physical characteristics

Diameter (max)	14.5mm
Height (max)	25.0mm
Typical weight	11.0g
Li metal content	0.32g

MSDS as per request
Diode (1N4007, 1N5819)
PTC (SRS175...)

Tag, wire, connector, etc. available

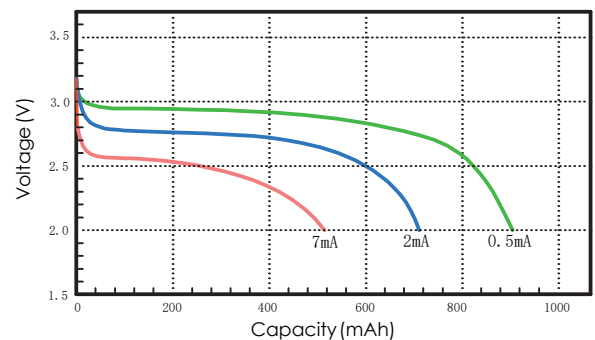


Dimensions in mm (GB1804-m)

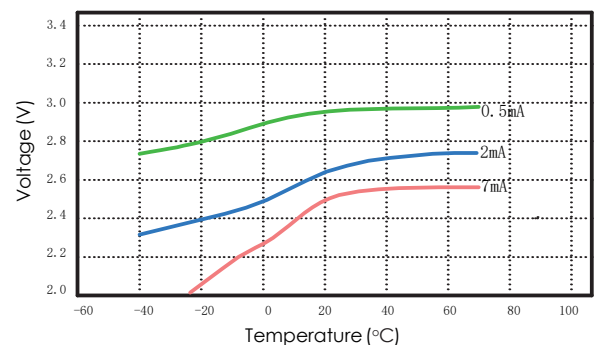
WARNING:

- 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

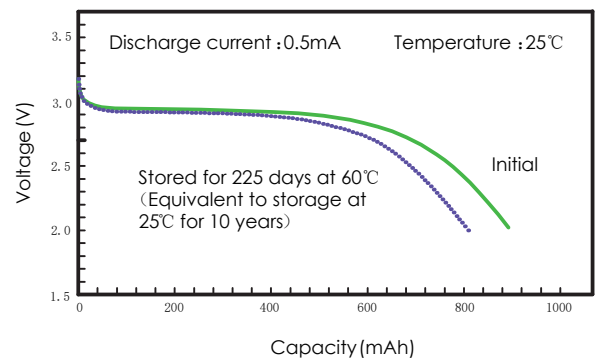
1. Typical discharge profiles at 25°C
(at mid-discharge)



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



3. Storage characteristics



HCB BATTERY CO., LTD

Add: Special No 1. Taizhong Avenue, Gaoqiao Industrial Park,
Wujiashan Economic Development Zone, Wuhan, P.R.China

P.O.: 430040
Tel: +86(0)27 83248452
Fax: +86(0)27 83248455

Email: haocheng@cnhcb.com
Web: www.cnhcb.com
No.: HCB-MKT.PM-S[V2.0 2018 02]