

Primary Lithium Battery

CR17450H

3.0V [Li-MnO₂]

4/5A-size spiral cell



BENEFITS

- High Voltage Response, Stable During Most of the Lifetime of the Application
- Energy Density up to 830Wh/L
- Wide Operating Temperature Range (-40°C ~+70°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
- 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 23±2°C) ≥3.10V

Nominal capacity 2400mAh

(At +25°C, battery discharged at continuous current 10mA until voltage reaches cut-off voltage 2.0V. The capacity can vary at different temperature, discharge current or cut-off voltage.)

Maximum continuous current 1500mA

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

Maximum pulse discharge current 3000mA

(Maximum pulse discharge current is 3000mA. Discharge capacity of the battery will change with the pulse characteristics and ambient temperature as well as storage situation. For more detail, please inquiry HCB.)

Storage (recommended) ≤+30°C

(For more severe conditions. Consult HCB) ≤75%RH

Operating temperature range -40°C~+70°C

(Consult HCB when using batteries at temperature exceeding -20°C~+60°C.)

Primary Lithium Battery CR17450H

3.0V [Li-MnO₂]

4/5A-size spiral cell



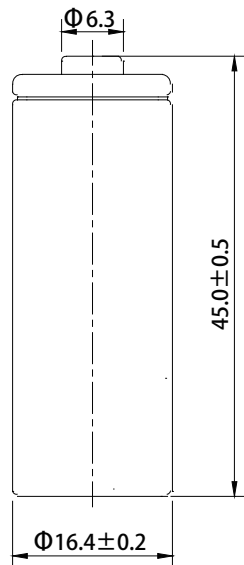
HCB
昊诚锂电

Physical characteristics

Diameter	16.4±0.2mm
Height	45.0±0.5mm
Typical weight	26.0g
Li metal content	0.80g

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

Tag, wire, connector, etc. available



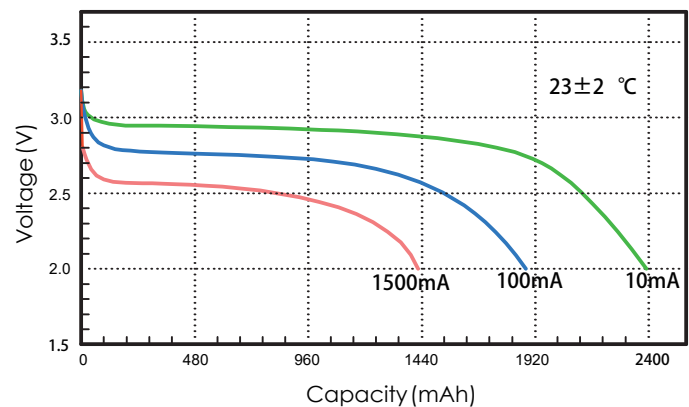
Dimensions in mm (GB1804-m)

WARNING:

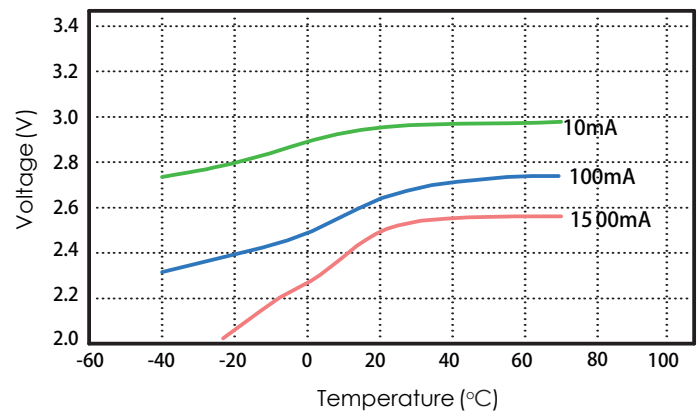
- Do Not Short Circuit
- Do Not Recharge
- Do Not Puncture
- Do Not Crush
- Do Not Dismantle
- Do Not Incinerate
- Do Not Mix New and Used Batteries
- Do Not Heat Above 100°C

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

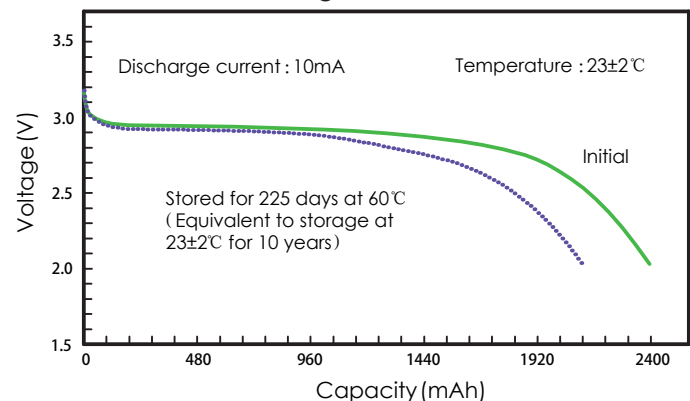
1. Typical discharge profiles at 23±2°C
(at mid-discharge)



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



3. Storage characteristics



HCB BATTERY CO., LTD

Add: 37 Tianyuan Street, Dongxihu District, Wuhan, Hubei, 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[V3.3 2023 02]