



# Primary Lithium Battery

## CP9V

[Li-MnO<sub>2</sub>]



### BENEFITS

- High Voltage Response, Stable During Most of the Lifetime of the Application
- Energy Density up to 830Wh/L
- Wide Operating Temperature Range (-20℃ ~+60℃)
- 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

Nominal voltage 9.0V

Nominal capacity 1200mAh

(At +25℃, battery discharged at continuous current 1mA until voltage reaches cut-off voltage 5.4V. The capacity can vary at different temperature, discharge current or cut-off voltage.)

Maximum continuous current 600mA

(Maximum continuous current is 600mA. The discharge capacity of the battery varies with the current, ambient temperature, and storage conditions. For more detail, please inquiry HCB. )

Maximum pulse discharge current 1000mA

(Maximum pulse discharge current is 1000mA. 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℃

(For more severe conditions, consult HCB) ≤75%RH

Operating temperature range -20℃~+60℃

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

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[Li-MnO<sub>2</sub>]

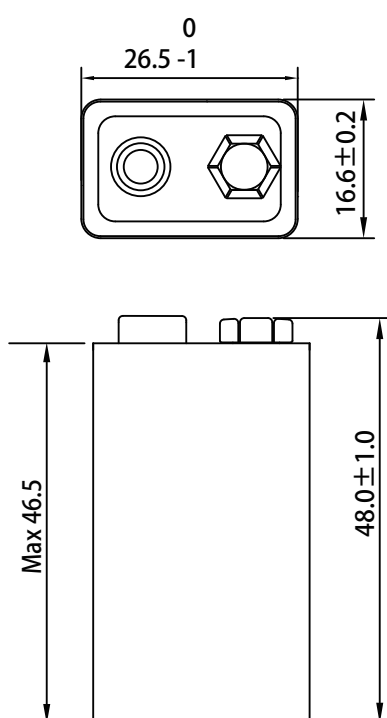


**HCB**  
昊成锂电

## Physical characteristics

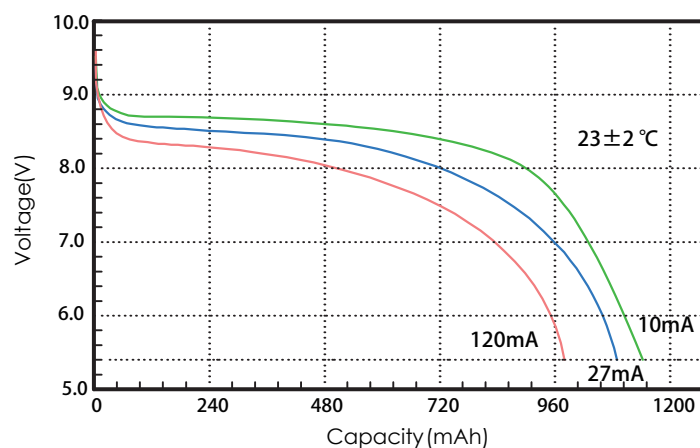
Typical weight 39.0g

Li metal content 1.52g

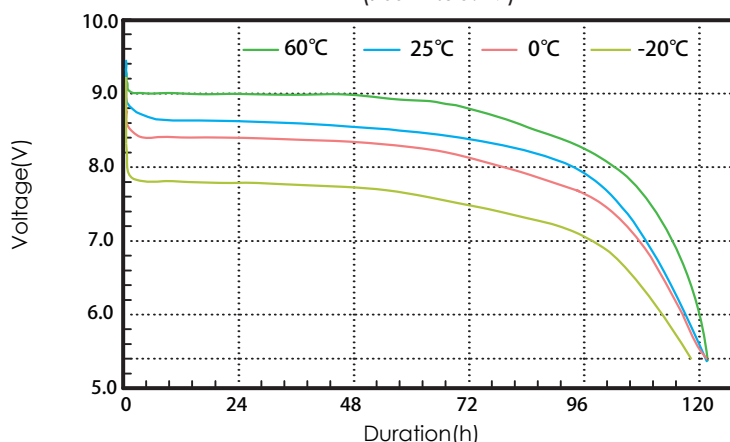


Dimensions in mm (GB1804-m)

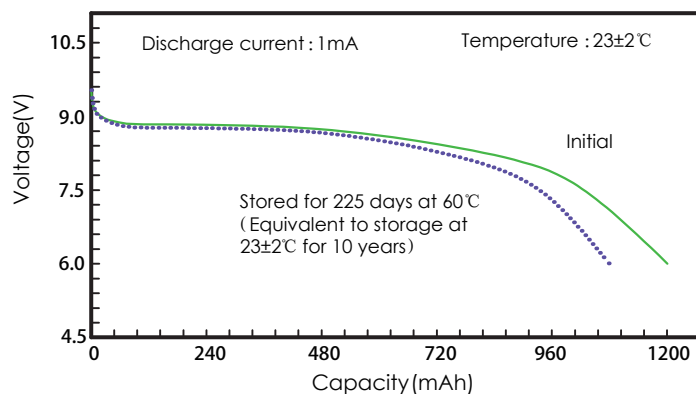
1. Typical discharge profiles at 23±2°C  
(at mid-discharge)



2. Typical discharge profiles with different temperature  
(900 Ω to 5.4V)



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°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

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No.: HCB-MKT.PM-S[V3.0 2023 05]