We Power Your Technology

Primary Lithium Battery CP583083

3.0V [Li-MnO_2]

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

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	4000mAh

(At +25°C, battery discharged at continuous current 10mA until voltage reaches cut-o voltage 1.8V. The capacity can vary at di erent temperature, discharge current or cut-o voltage.)

Maximum continuous current	1000mA

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

Maximum pulse discharge current	2000mA

(At +25°C, 2.0V cut-o, battery discharged for minimum 50% of rated capacity with max pulse for 3 seconds after 27 seconds break. 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

(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：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[V2.4 2024 04]

Primary Lithium Battery
CP583083

3.0V [Li-MnO_2]

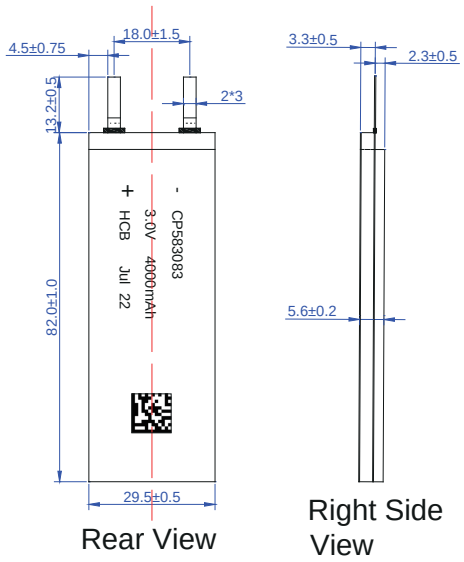
Physical characteristics	
Width	29.5±0.5mm
Height	82.0±1.0mm
Thickness	5.6±0.2mm
Typical weight	26.0g
Li metal content	1.28g

MSDS as per request

Diode (1N4007, 1N5819)

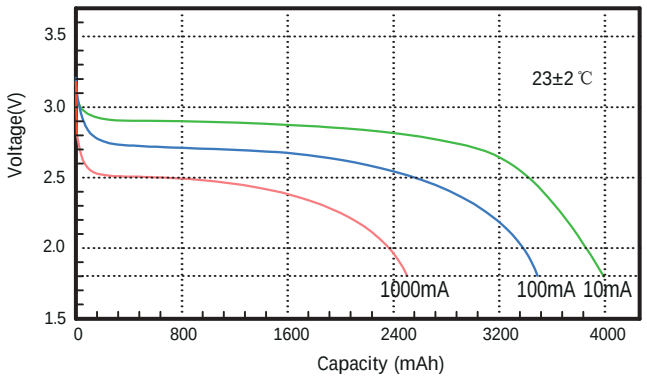
PTC (SRS175...)

Tag, wire, connector, etc. available

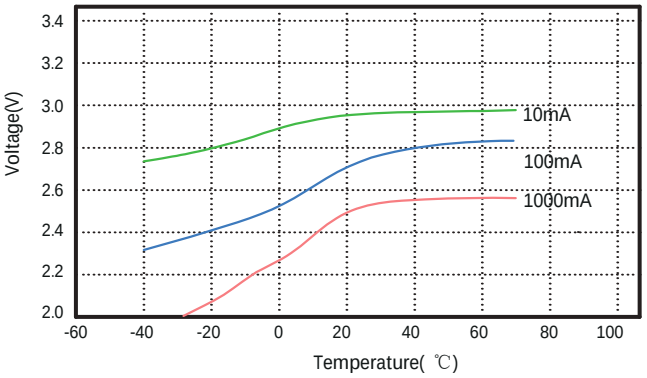


Dimensions in mm（GB1804-m）

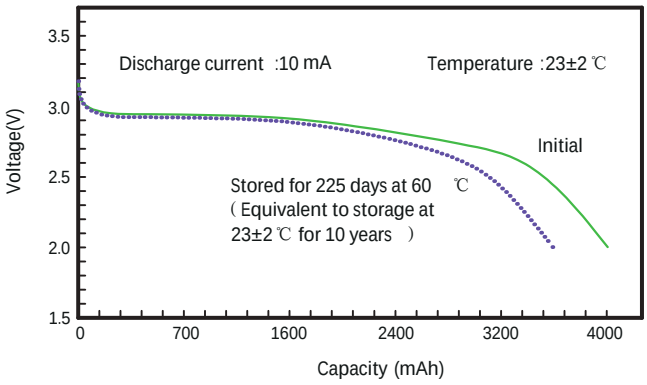
1. Typical discharge profiles at 23±2°C (at mid-discharge)



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



3. Storage characteristics



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

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[V2.4 2024 04]