

# Primary Lithium Battery

## ER26500+UPC1520

### Benefits

- High and Stable Voltage
- Energy Density up to 590Wh/kg
- Long Shelf Life
- Wide Operating Temperature (-40°C~+85°C)

### Key Features

- Stainless Steel Container
- Glass to metal hermetic sealing
- Non-flammable electrolyte
- CE, UL and UN38.3 Certified

### Main Applications

- Security system
- Smart metering
- RFID / IoT system
- Wireless transmitting
- Smart home devices
- Military devices

### Electrical Characteristics

**Open circuit voltage (at 25°C)** **≥3.65V**

**Nominal capacity** **8500mAh**

(At+25°C, battery discharged at continuous current 3mA until voltage reaches cut-off voltage 2.0V. The capacity can vary at different temperature, discharge current or cut-off voltage. )

**Maximum continuous current** **150mA**

(New cell\*, at +25°C, 2.0V cut-off, battery discharged for minimum 50% of nominal capacity. )

**Maximum pulse discharge current** **2000mA**

(Max current with duration of 1 second. The readings may vary according to the pulse characteristics, the temperature, and the's previous history. Fitting the cell with a capacitor may be recommended in severe conditions. Consult HCB.)

**Storage (recommended)** **≤30°C**  
**≤75%RH**

(For more severe conditions, consult HCB)

**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)

*New cell\*:*

*Refer to the cells that are stored within two months at no higher than +25°C.*

### HCB BATTERY CO., LTD

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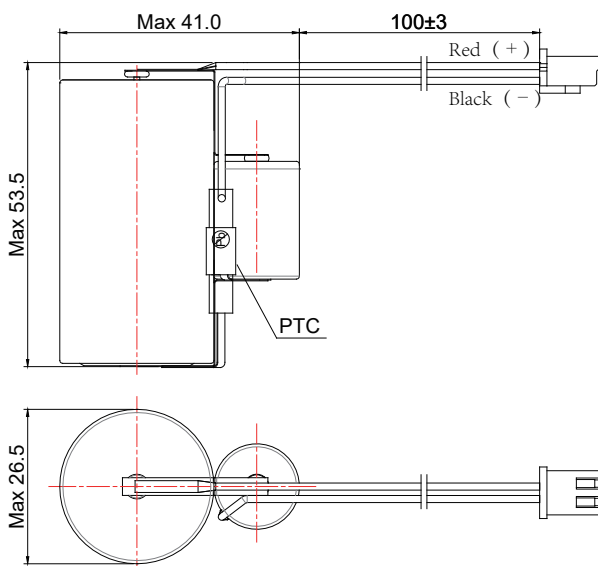
Web: www.cnhcb.com

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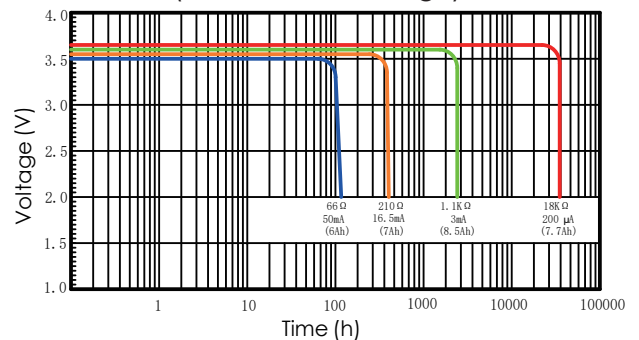
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## Physical Characteristics

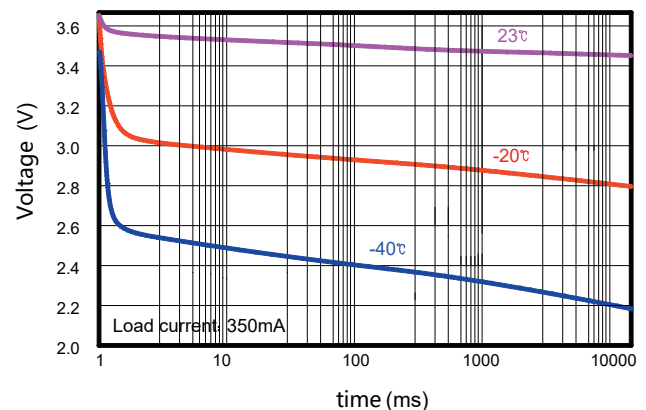
Typical weight	63.0g
Lithium metal content	2.4g



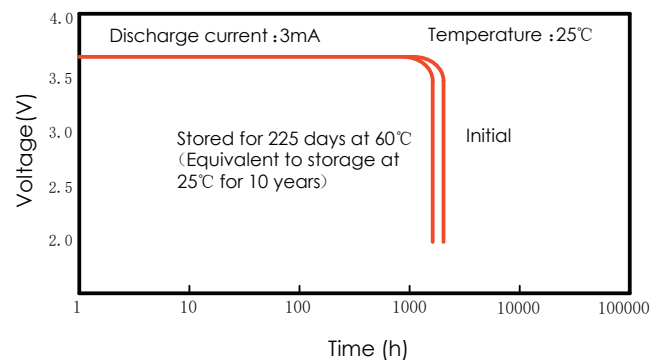
1. Typical discharge profiles at 25°C  
(at the mid-discharge)



2. UPC1520 350mA Discharge Curve



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

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