

# Primary Lithium Battery

## ER14505+UPC1520

### Benefits

- High and Stable Voltage
- Energy Density up to 590Wh/kg
- Long Shelf Life
- Wide Operating Temperature (-45°C~+85°C)

### Key Features

- Stainless Steel Container
- Glass to Metal Hermetic Sealing
- Non-flammable Electrolyte
- CE, UL(MH10060) 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** **2600mAh**

(At +25°C, battery discharged at continuous current 1mA until voltage reaches cut-off voltage 2.0V. The capacity can vary at different temperature, discharge current or cut-off voltage.)

**Maximum continuous current** **50mA**

(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

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

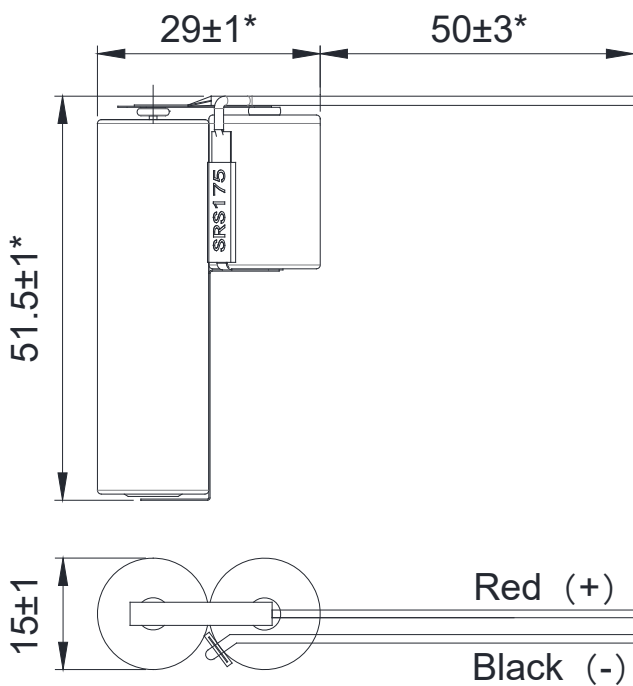
No.: HCB-MKT.PM-S[V1.0 2017 02]

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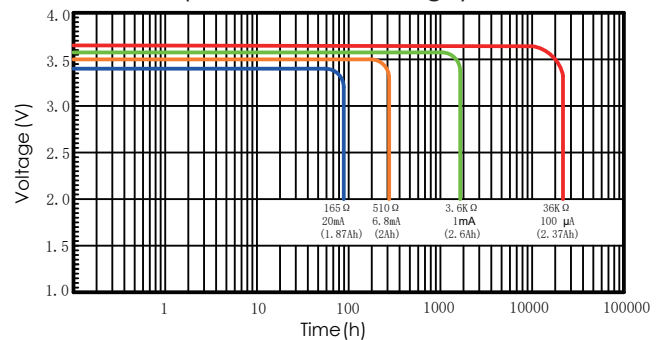


## Physical Characteristics

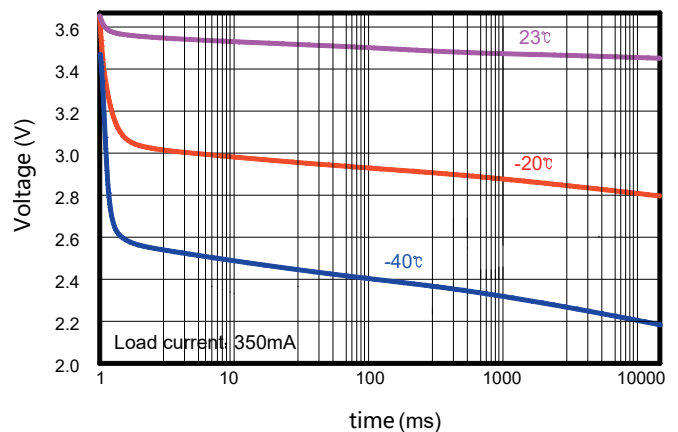
Typical weight	28.0g
Lithium metal content	0.72g



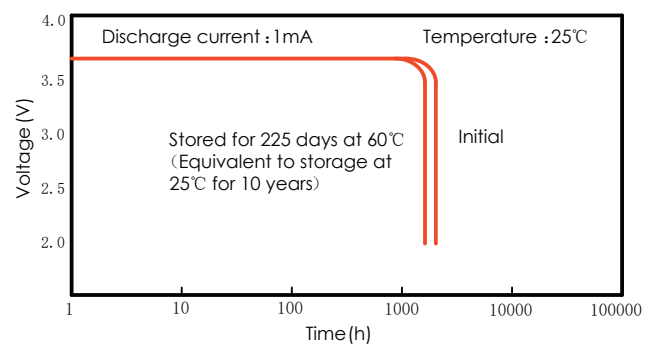
1. Typical discharge profiles at 25°C  
(at the mid-discharge)



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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