

# ER341245

3.6V Li/SOCL2 System Battery  
Size DD, High-energy Battery



## Advantages:

- stable high VOP and Cpacitance
- High Energy Density and stable current
- Wide working tempreturerange(-55℃~+85℃)
- Lower Self discharge rate(EVG annual rate below under +20℃ surroundings)
- Excellent environment application features
- Stainless steel shells(Low magnetism and environment erosion resistance)

## Features:

- Positive poles with independant proprietary technology
- Stainless steel-Glass hermetic package
- Non combustibile electrolyte
- High short circuit safety
- Meet the technical requirements of IEC60086.4:2014
- Passed UL component testing certification (MH45919)
- Comply with RoHS environmental requirements , easy to be recycled.

## Main application

Utility meters  
Alarms and safety equipments  
Memory storage backup devices  
RFID  
Automotive electronics  
Real time clocks  
Marine surveying equipments  
Oil production equipment

## Electrical Performance

(Typical data from those being stored for or within 12 months under 25±5℃ surroundings)

**Normal Capacity:** 36.0Ah  
(The capacity is tested under the condition of 10mA, +25℃ and cutoff voltage 2.0V. Battery capacity will change with the change of discharge current, ambient temperture and cutoff voltage.)

**Open circuit voltage** Typical data at +25℃ : 3.67V

**Nominal voltage** (at +25℃ with load 0.5mA) : 3.60V

**Maximum continuous discharge current** 400mA  
(If you need higher current than that of 50% nomal capacity at +25℃ and 2.0V cutoff voltage, pls contact XLEPCELL )

**Maximum pulse capacity current** 500mA

(At +25℃, An unused battery begin to discharge with 10µA base current, and during the process, a pulse of 500mA/0.1s will be discharged every two minutes, when the voltage reading will be higher than 3.0v. The voltage reading will change with the change of the pulse characters, tempretures and store conditions. If under hard conditions, we suggest using LICC or SC together with batteries. **Details pls contact XLEPCELL** ).

**Storage** (Suggestion) +30℃ at most

(If you have higher requirements or harsh terms, pls contact **XLEPCELL**)

**Operating tempreture range** -55℃-+85℃

(If exceeded, capacity will decrease, voltage reading be too lower and Initial pulse voltage reading be relatively low. )

## Physical Performance

**Diameter (Max)** 34.5mm

**Height (Max)** 124.5mm

**Typical weight** 201 g

**Lithium metal content** about 9.5g

**Warning:** Do not charge, short circuit, heat over 100℃, breakdown, put into water, or weld directly on the surface of the shells. If you do like that, explosion, burning or Acid leakage inside the battery will be caused.

## Henan Chuangda Electronic Technology Co.LTD

Add: No.18,Block B,Power Battery Park on Baoshan RD,Fengquan ,Xinxiang, Henan

Post: 453000

Web: [www.xlepcell.com](http://www.xlepcell.com)

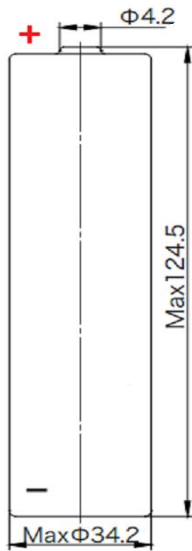
Tel: +86-0373-5861689

Fax: +86-0373-5861689

Email: [hpstbattery@126.com](mailto:hpstbattery@126.com)

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Size unit:mm (unmarked tolerance,base on the standard of GB1804-m)

If extreme connection mold needed, we can make to order. Pls contact

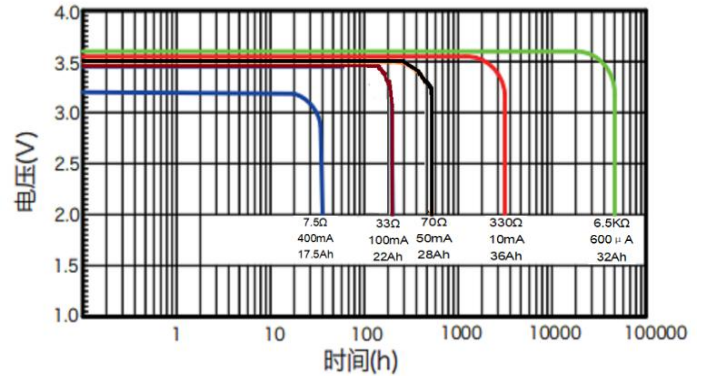
XLEPCELL

## Warning

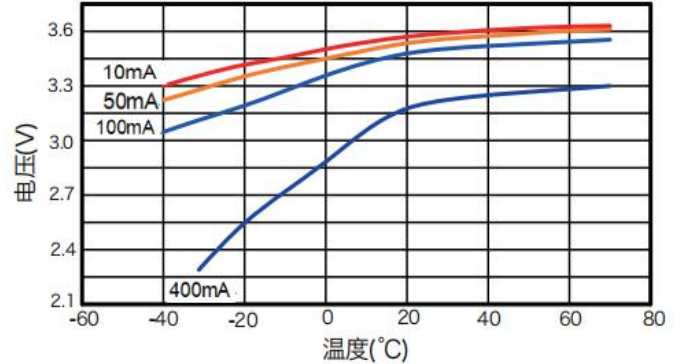
- No short circuit
- No charge
- No puncturing
- No pressing
- Be sure to connect anode and cathode with the equipments correctly.
- No disassembling
- No burning
- No using old and new batteries simultaneously
- No heating over 100°C
- No welding batteries directly
- No transforming or modifying

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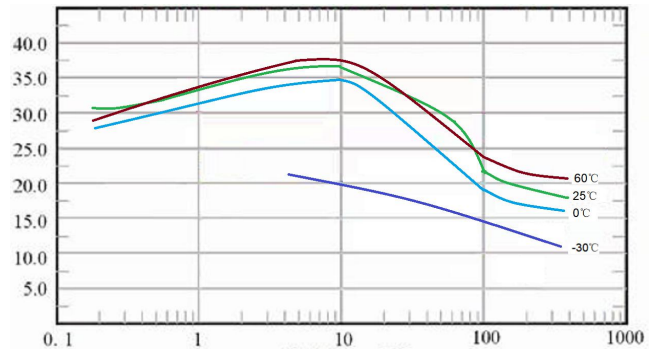
1. Typical discharge curve at +25°C (Median)



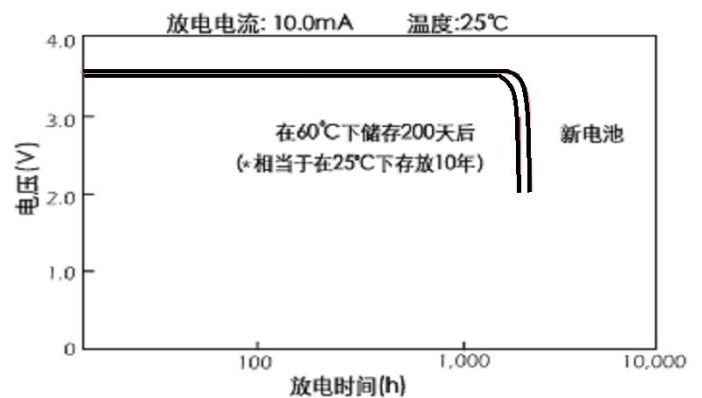
2. Voltage curve under different current and temprature (Stable discharge process)



3. Capacity curve under different temprature and current (cutoff voltage 2.0V)



4. Storage Character



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Email: [hpsbattery@126.com](mailto:hpsbattery@126.com)