

# ER18650T

3.6V Li/SOCL2 System Battery  
 Size 4/3A, High-energy Battery



## Advantages:

- stable high VOP and Capacitance
- High Energy Density and stable current
- Wide working temperture range(-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:** 5.4Ah  
 (The capacity is tested under the condition of 3.0mA, +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 0.2mA) : 3.60V

**Maximum continuous discharge current** 200mA  
 (If you need higher current than that of 50% normal capacity at +25℃ and 2.0V cutoff voltage, pls contact XLEPCELL )

**Maximum pulse capacity current** 300mA

(At +25℃, An unused battery begin to discharge with 10µA base current, and during the process, a pulse of 300mA/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, tempertures 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 temperture 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)** 18.5mm

**Height (Max)** 65.5mm

**Typical weight** 39 g

**Lithium metal content** about 1.5g

**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

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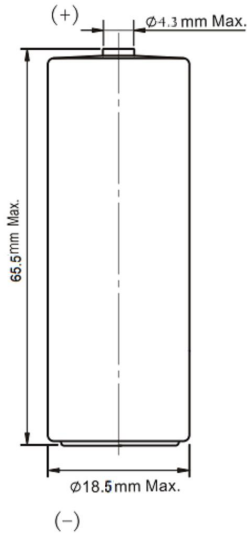
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# ER18650T

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Size4/3 A, High-energy Battery



Size unit:mm ( unmarked tolerance base on the standard of GB1804-m )  
If extreme connection mold needed, we can make to order. Pls contact

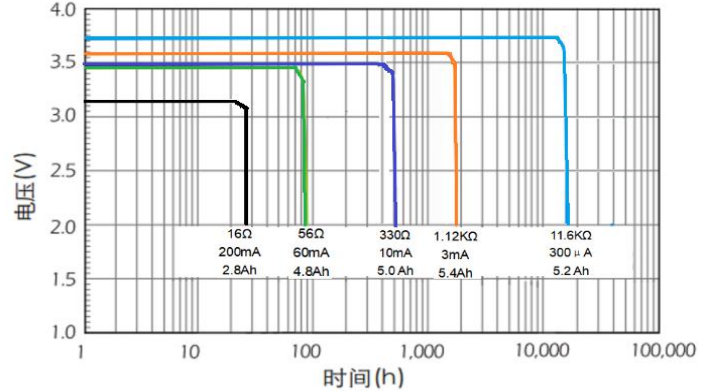
XLEPCELL

## Warning

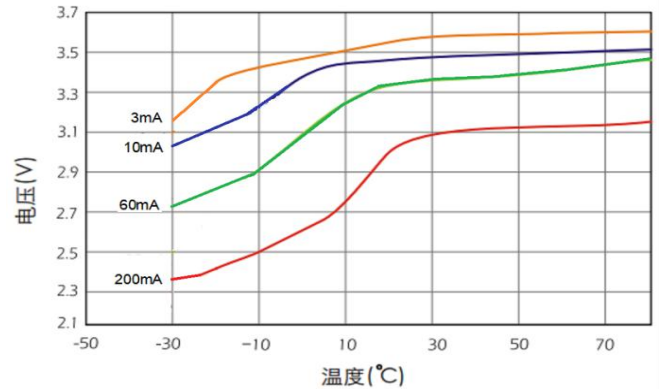
- No short circuit
- No charge
- No puncturing
- No pressing
- Be sure to connect anode and cathode with the equipments correctly.
- No disassembling
- No burning
- No using old and new batteries simultaneously
- No heating over 100°C
- No welding batteries directly
- No transforming or modifying

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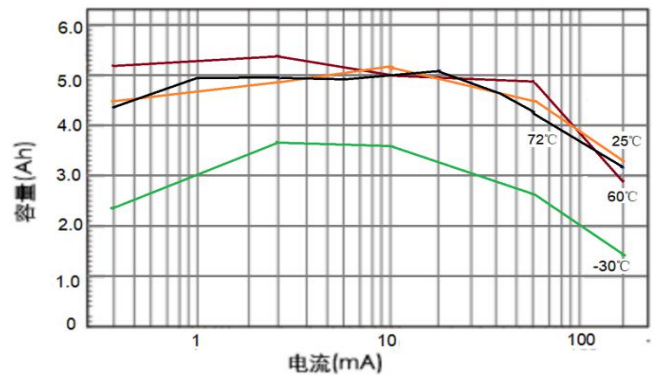
1. Typical discharge curve at +25°C (Median)



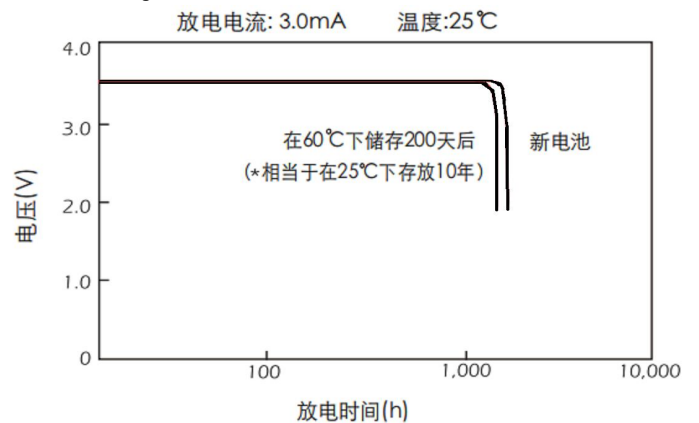
2. Voltage curve under different current and temprature (Stable discharge process)



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



4. Storage Character



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