

## 3.6V Primary Li-SOCl<sub>2</sub> Battery ER10450

### AAA Size Energy Type

#### Electrical characteristics

##### Nominal capacity

At 23±2°C discharge at constant current 0.5mA until 2.0V cut off, Battery capacity depending on temperature and discharge currents and cutoff voltage changes. **800mAh**

##### Nominal voltage

Micro-current discharge platform voltage reference values has to do with battery chemistry system and has nothing to do with the battery model. **3.6V**

##### Open circuit voltage

The voltage between positive and negative while the current is open. **≥3.65V**

##### Maximum continuous current

At 23±2°C the battery can discharge at least the max continuous discharge value which rated capacity 50% can permit. **25mA**

##### Maximum pulse discharge current

At 23±2°C, battery discharge duration for 3 seconds and stand 27 seconds, it can discharge at least the max pulse discharge value which rated capacity 50% can permit. **60mA**

##### Storage condition

Stored the battery under recommends condition to make sure effectively battery's performance, the storage temperature or humidity too high will increase battery's self-discharge rate and reduce battery's storage life. **≤30°C**  
**≤75%RH**

##### Operating temperature

Exceed the operating temperature range could lead to battery operating voltage reduction or even a security risk. **-55~+85°C**

##### Outline dimension

Finished Single cells' standard size **10.4×45mm**

##### Weight

Finished Single cells' max weight **9.5g**

##### Self-discharge rate

Out of the recommended condition, the self-discharge rate may increase. **1%**

### Key features



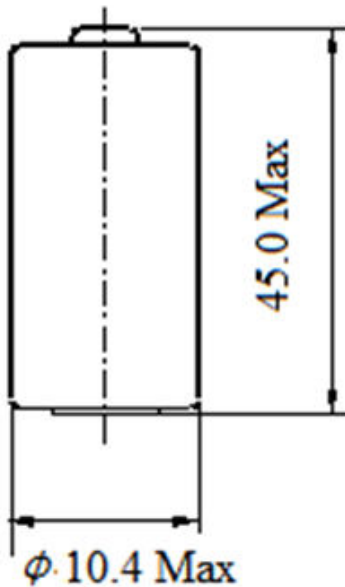
- High Energy Density
- High single cell voltage
- Light weight
- High security
- Stable operating voltage
- Wide Operating temperature range
- Low Self-discharge rate
- UN38.3 and ROHS Compliance

### Main applications



- Intelligent instruments
- Safe alarm system
- Signal lights and the post indicator transfer
- back-up record power
- Medical equipment
- Wireless and other military equipment
- Active RFID
- Tyre pressure testing system
- GPS system

**Overall Dimension (unit: mm)**

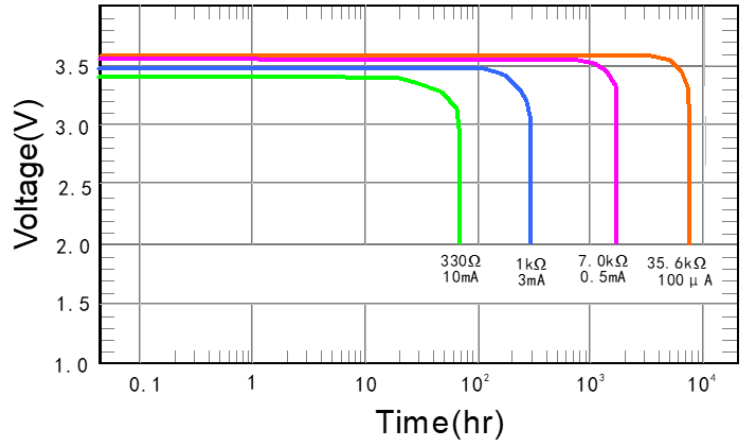


**Warning**

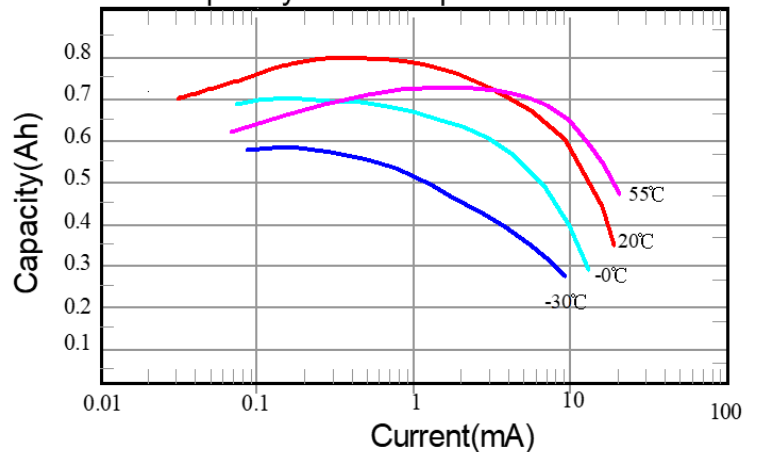


- Do not connect the positive and negative terminals of the battery.
- Do not place battery into fire
- Do not weld directly battery long time.
- Do not recharge battery.
- Do not force-discharge.
- Do not combine batteries in series or parallel by oneself.
- Do not reverse the positive and negative terminals
- Do not swallow.
- Do not discard.
- Stop immediately use it when serious heating or leakage.
- Before using our products, please read the manual Carefully or contact our Technician.

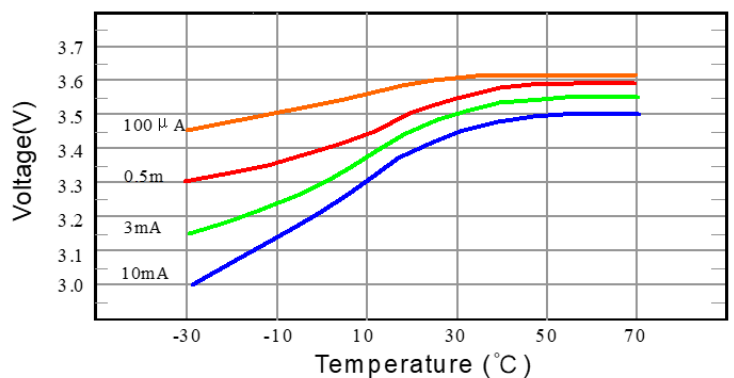
Discharge characteristics at 23±2°C



Capacity VS. Temperature



Voltage VS. Temperature



Please consult with Akku Tronics for further information.