

3.6V Primary Li-SOCl₂ Battery ER18505M

A Size High Power Type

Electrical characteristics

Nominal capacity

At 23±2°C discharge at constant current 10.0mA until 2.0V cut off, Battery capacity depending on temperature and discharge currents and cutoff voltage changes. **3200mAh**

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. **500mA**

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. **1500mA**

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 **18.5×50.5mm**

Weight

Finished Single cells' max weight **30.0g**

Self-discharge rate

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

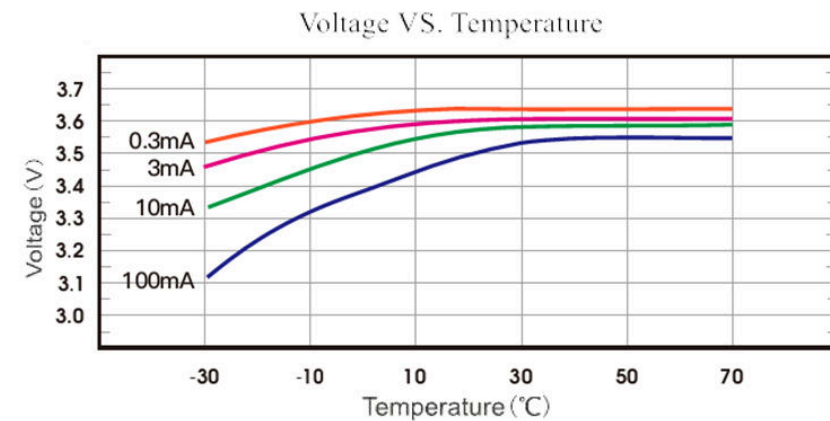
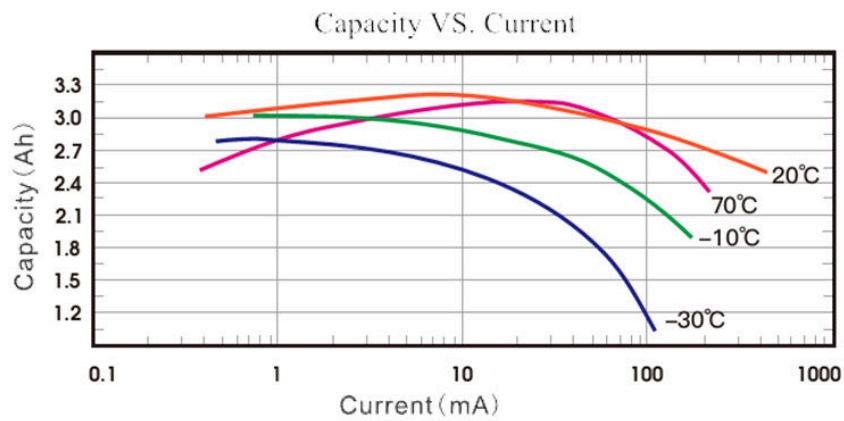
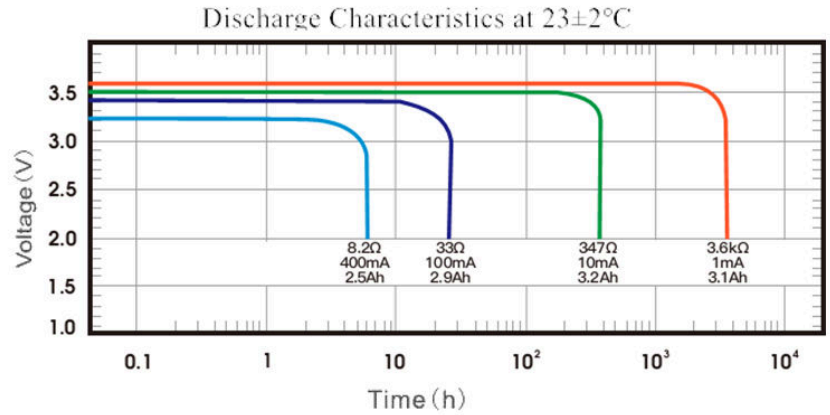
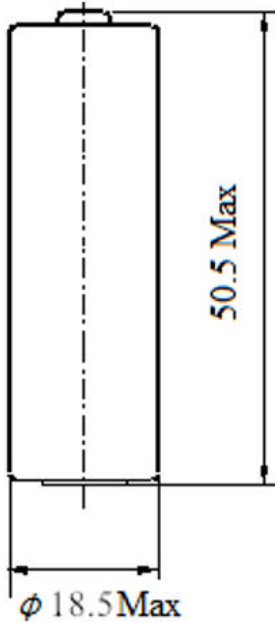
Key features

- 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



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.

Please consult with Akku Tronics for further information.

Akku Tronics New Energy Technology Co., Ltd

The right lithium battery solution