

3.6V Primary Li-SOCl₂ Battery ER17505

A Size High Capacity Type

Electrical characteristics

Nominal capacity

At 23±2°C discharge at constant current 4.0mA until 2.0V cut off,

Battery capacity depending on temperature and discharge **3400mAh**

currents and cutoff voltage changes.

Nominal voltage

Micro-current discharge platform voltage reference values

has to do with battery chemistry system and has nothing to **3.6V**

do with the battery model.

Open circuit voltage

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

Maximum continuous current

At 23±2°C the battery can discharge at least the max conti-
nuous discharge value which rated capacity 50% can permit. **120mA**

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 **200mA**
value which rated capacity 50% can permit.

Storage condition

Stored the battery under recommends condition to make sure

effectively battery's performance, the storage temperature or **≤30°C**

humidity too high will increase battery's self-discharge rate **≤75%RH**

and reduce battery's storage life.

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 **17.0×50.5mm**

Weight

Finished Single cells' max weight **24.0g**

Self-discharge rate

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

may increase.

Key features



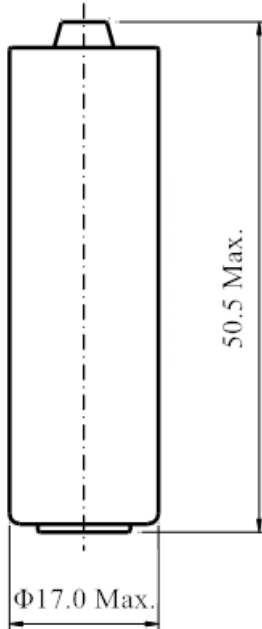
- High Energy Density
- High single cell voltage
- Light weight
- High security
- Stable operating voltage
- Wide Operating temperature range
- Low Self-discharge rate
- UN38.3 and ROHS Compliance

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
- GSM system

Overall Dimension

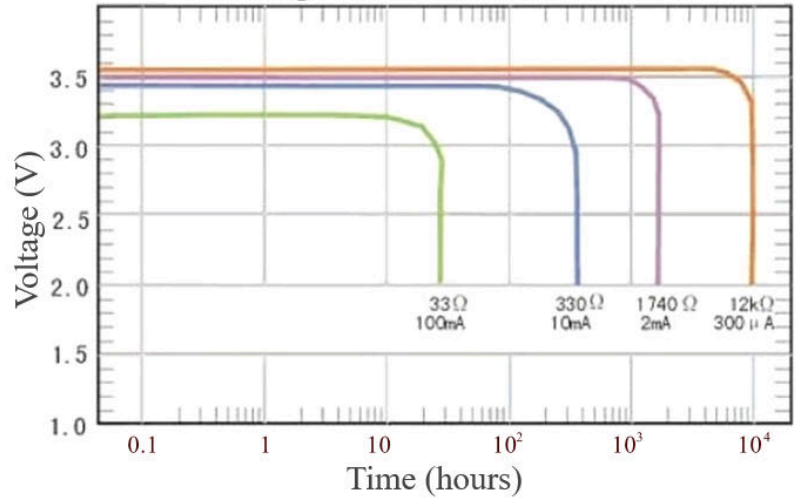


Warning

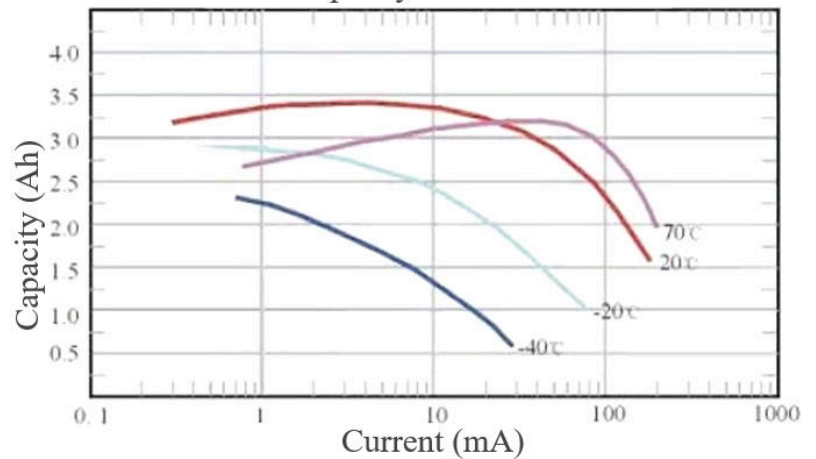


- Do not connect the positive and negative terminals of the battery.
- Do not place battery into fire
- Do not weld directly battery long time.
- Do not recharge battery.
- Do not force-discharge or short circuit.
- Do not combine batteries in series or parallel by oneself.
- Do not reverse the positive 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.

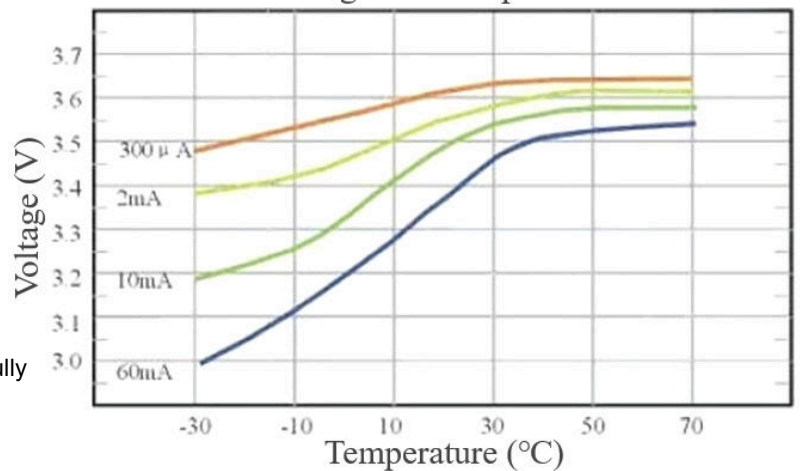
Discharge Characteristics at $23 \pm 2^\circ\text{C}$



Capacity VS. Current



Voltage VS. Temperature



Please consult with Akku Tronics for further information.