akktronics
The right Lithium Battery Solution

Specification ER17505M
Lithium Thionyl Chloride Battery
http://www.akkutronics.com

3.6V Primary Li-$SOCl_2$ Battery
ER17505M

A Size High Power Type

Electrical characteristics

Nominal capacity At 23±2℃discharge at constant current 10.0mA until 2.0V cut off, Battery capacity depending on temperature and discharge currents and cutoff voltage changes.	**2800mAh**
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℃ the battery can discharge at least the max conti-nuous discharge value which rated capacity 50% can permit.	**600mA**
Maximum pulse discharge current At 23±2℃, 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.	**1200mA**
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**℃ **≤75%RH**
Operating temperature Exceed the operating temperature range could lead to battery operating voltage reduction or even a security risk.	**-55~+85**℃
Outline dimension Finished Single cells' standard size	**17.0×50.5mm**
Weight Finished Single cells' max weight	**28.0g**
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 discharge current
- 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

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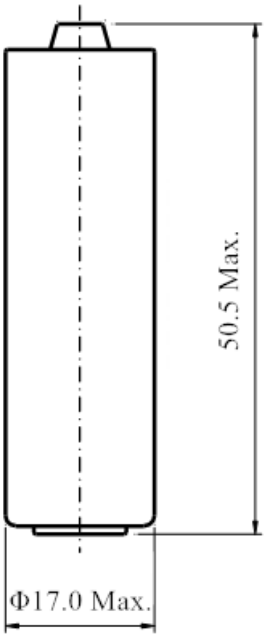
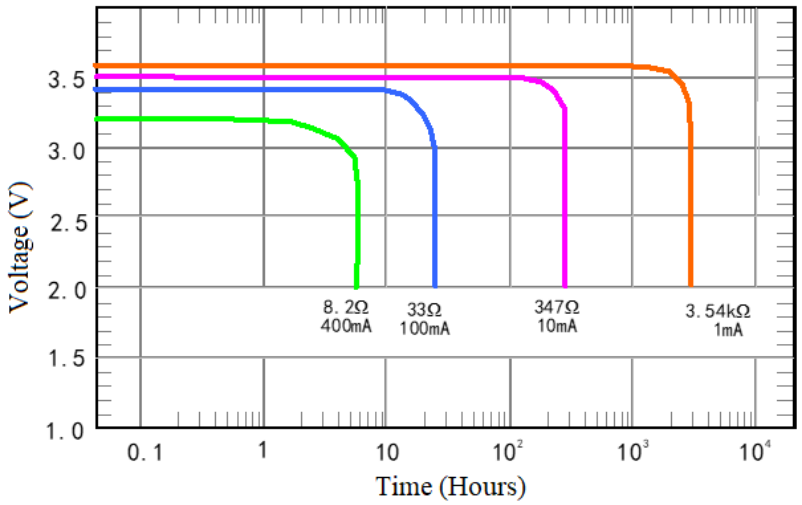
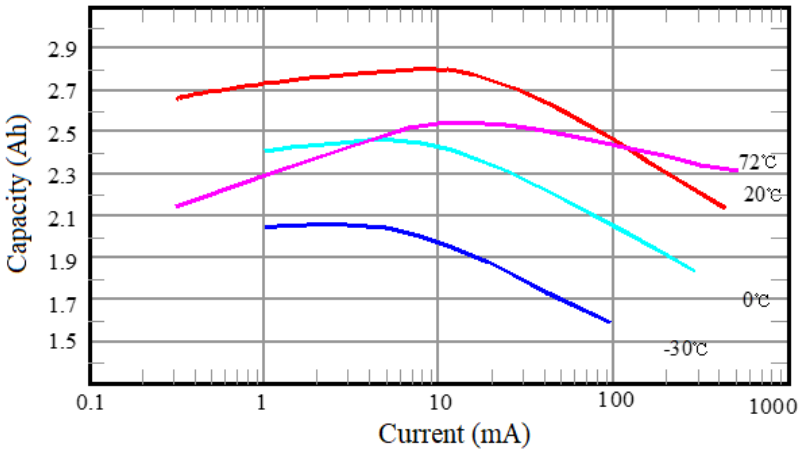
Overall Dimension



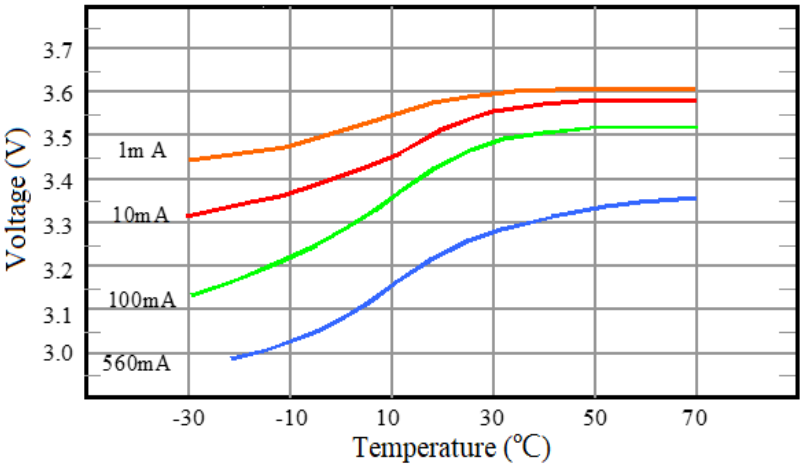
Discharge Characteristics at 23±2℃



Capacity VS. Current



Voltage VS. Temperature



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.

Please consult with Akku Tronics for further information.