

Sunmoon Battery

ER17505M

Lithium Thionyl Chloride Battery [Spiral Type]
Li/SOCI₂ 3.6V



• Electrical Specification

Nominal Capacity[3mA~2V] **2.8Ah**

The discharge capacity of battery depends on the environment temperature and the terminated voltage of the battery.

Nominal Voltage **3.6V**

Maximum Continuous Current **400mA**

Maximum Pulse Current **1000mA**

Under temperature of 23±2°C, the battery starts to discharge with 20µA base current. The battery releases one pulse 1000mA/0.5 secs every 2 minutes during its discharging and the battery voltage shall not be less than 2.7V. The voltage value depends on pulse characteristics, temperature and the usage of the batteries.

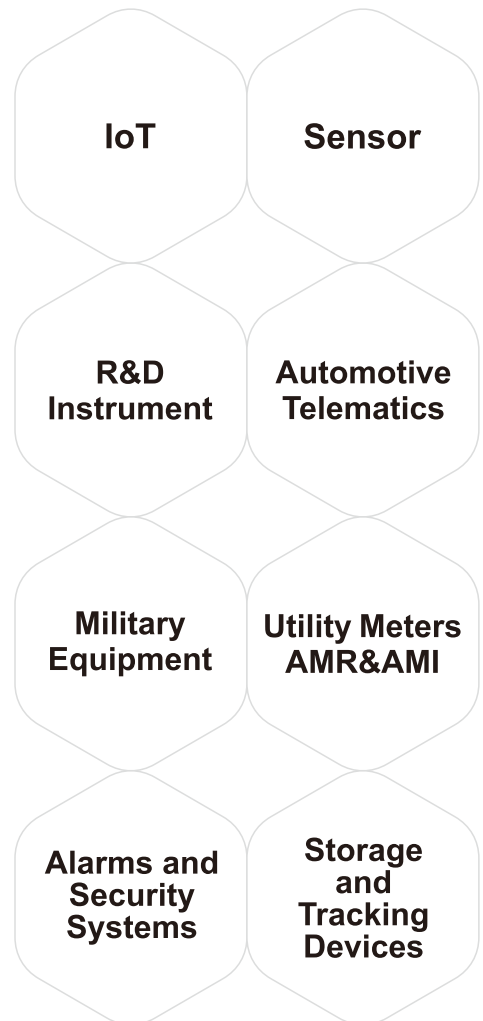
Weight **28g**

Operating Temperature **-55°C ~ +85°C**

• Advantages

- High energy density over 430wh/kg
- Open circuit voltage ≥ 3.65V, and operating voltage ranging from 3.3~3.6V
- Wide operating temperature range: -55°C ~ +85°C
- Long storage life reaching 10 years [under normal room temperature]
- This series batteries are suitable for high power continuous discharge and pulse discharge

• Main Applications



**Customer Satisfaction is the Purpose We Always Adhere to,
Continuous Improvement is the Direction We Always Pursue!**

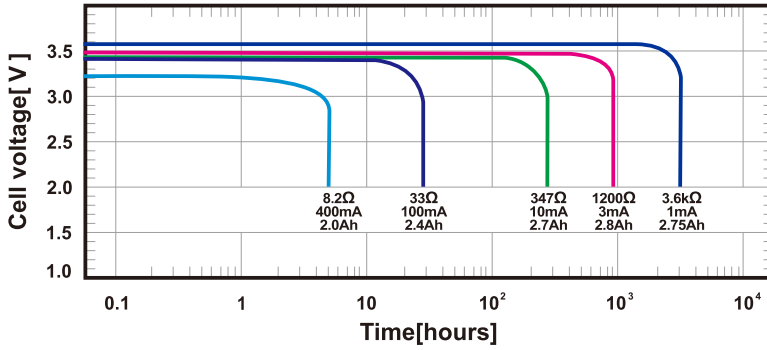
Sunmoon Battery

ER17505M

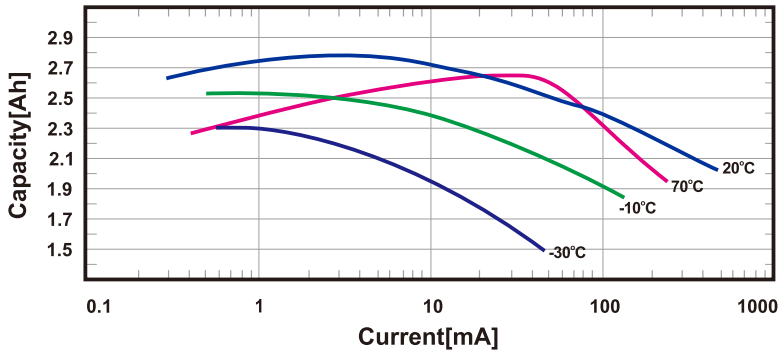
Lithium Thionyl Chloride Battery [Spiral Type]
Li/SOCI₂ 3.6V



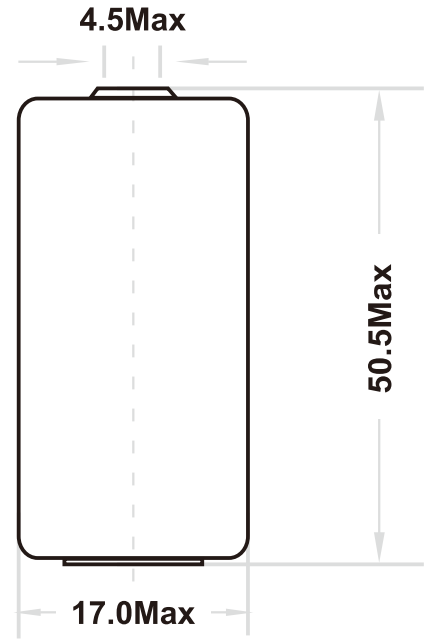
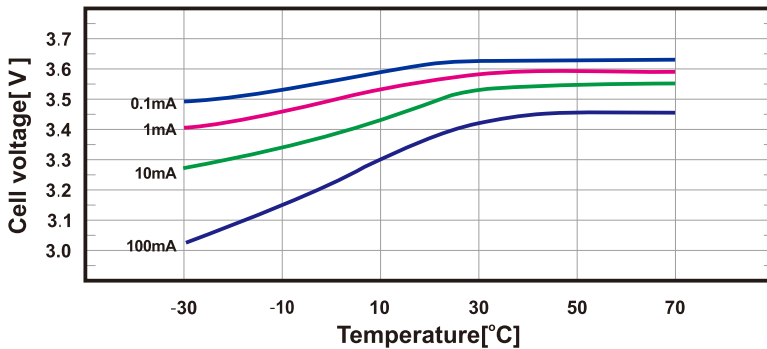
Typical Discharge Profiles at +23±2°C



Restored Capacity Versus Current and Temperature [2.0V cut-off]



Voltage Plateau Versus Current and Temperature



Available Terminations

- S: Standard Termination
- T: Solder Tabs
- P: Axial Pins
- Customized terminations are available

Warning

- Do not expose the battery to open flame, inflammable and explosive articles.
- Do not recharge, short-circuit, disassemble, incinerate the battery or heat the battery to more than 100°C.
- Do not use the battery beyond the permitted temperature range.

Wuhan Sunmoon Battery Co., Ltd.

Tel: +86-27-84732116 84730089
Add: No.231, Xingsan Road, Hannan District, Wuhan, Hubei Province, China

Post: 430090
Web: www.sunmoonbat.com
Email: info@sunmoonbat.com