

Sunmoon Battery

ER17335M

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



• Electrical Specification

Nominal Capacity[4mA~2V] **1.7Ah**

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

Nominal Voltage **3.6V**

Maximum Continuous Current **300mA**

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.

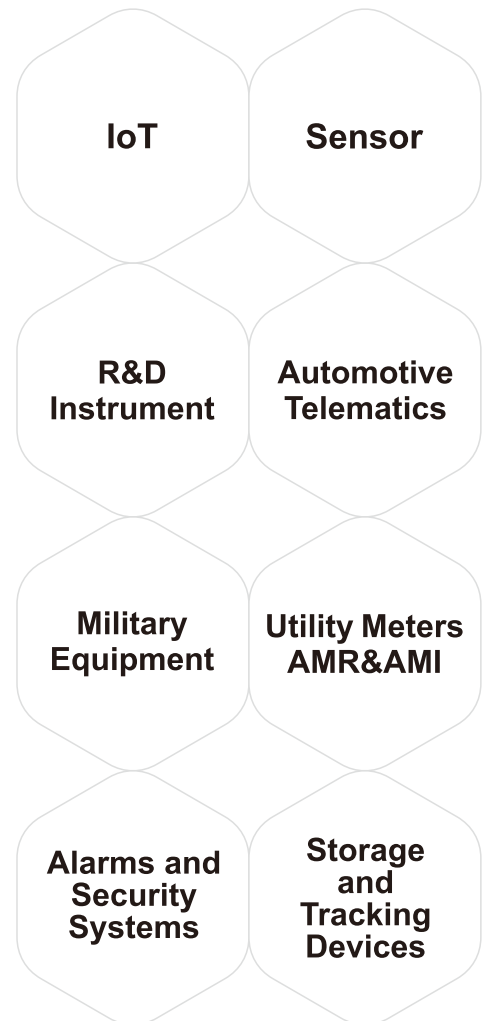
Weight **20g**

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!**

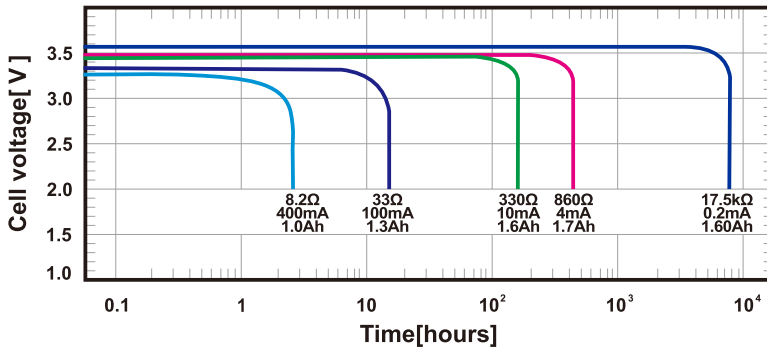
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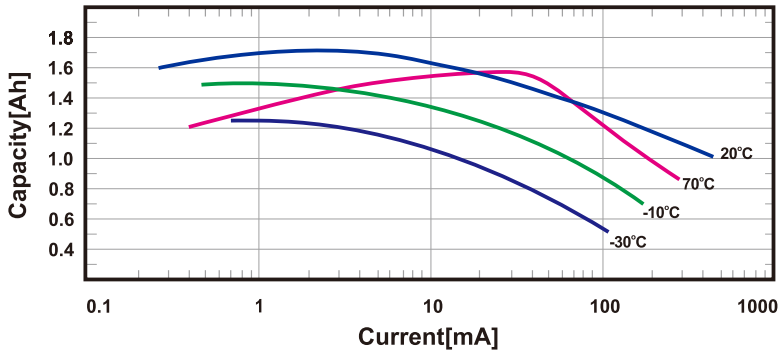
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Li/SOCl₂ 3.6V



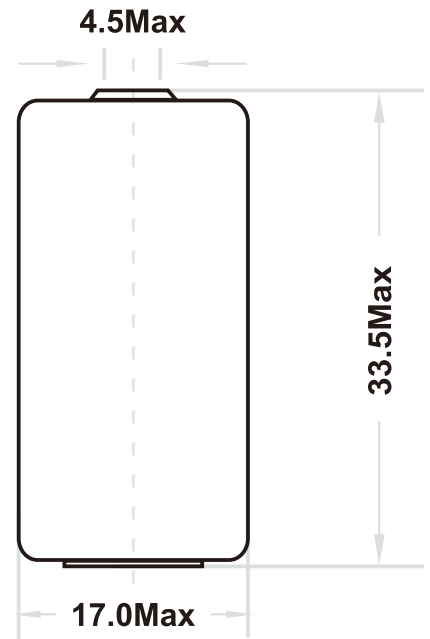
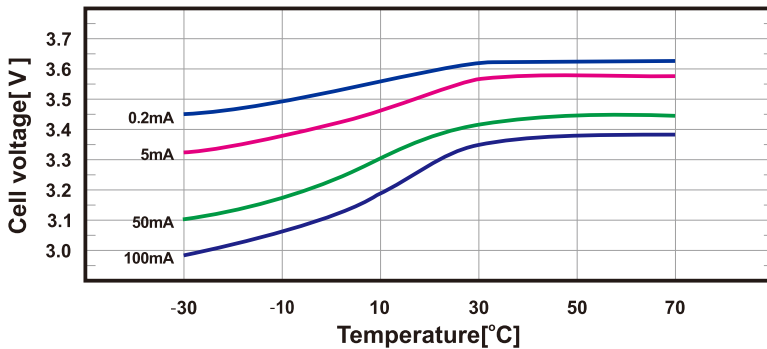
Typical Discharge Profiles at +23±2°C



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.

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