

Sunmoon Battery

ER14250

Lithium Thionyl Chloride Battery [Bobbin Type]
Li/SOCl₂ 3.6V



• Electrical Specification

Nominal Capacity[0.5mA~2V]	1.2Ah
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The discharge capacity of battery depends on the environment temperature and the terminated voltage of the battery.

Nominal Voltage	3.6V
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Maximum Continuous Current	20mA
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Maximum Pulse Current	50mA
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Under temperature of 23±2°C, the battery starts to discharge with 5μA base current. The battery releases one pulse 50mA/0.1secs 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	11g
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Operating Temperature	-55°C ~ +85°C
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• Advantages

- High energy density over 620wh/kg [highest among all the chemical batteries]
- 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 over 10 years [under normal room temperature]
- Suitable to operate under long-term tiny current with stable voltage

• Main Applications



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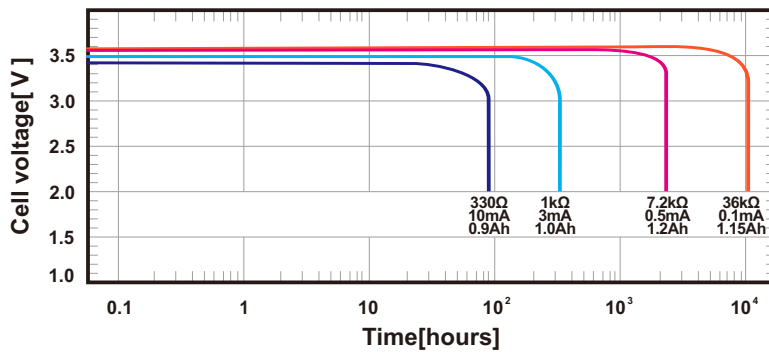
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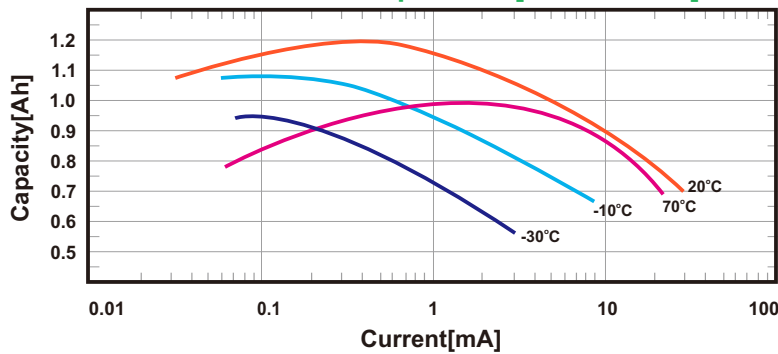
Li/SOCl₂ 3.6V



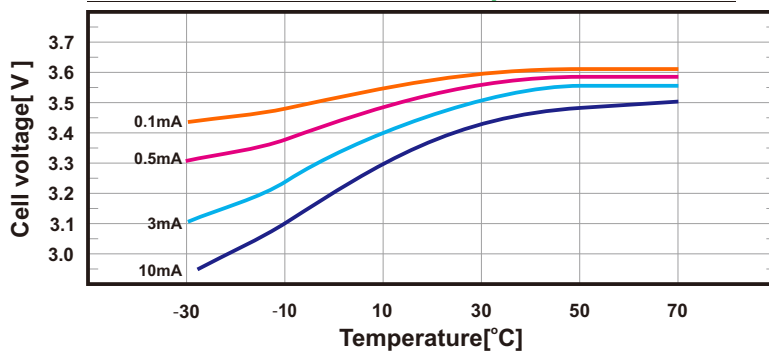
Typical Discharge Profiles at +23±2°C



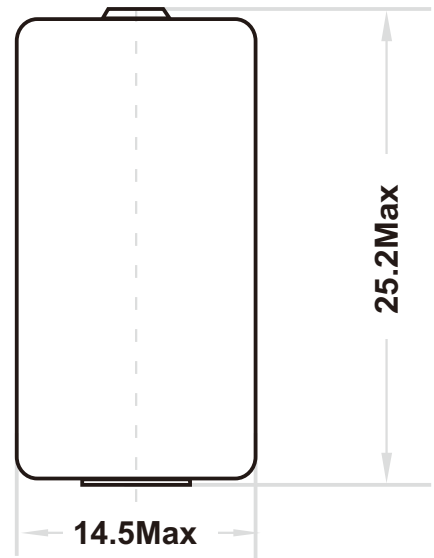
Restored Capacity Versus Current and Temperature [2.0V cut-off]



Voltage Plateau Versus Current and Temperature



4.4Max



• 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.

Notes:

Brochure concerning performance are for information purposes only for fresh batteries. Information in this document is subject to change without notice. Sunmoon's statement in its sales contract or order confirmation form is the only warranty offered by Sunmoon.