

Sunmoon Battery

ER10450

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



• Eletrical Specification

Nominal Capacity[0.5mA~2V]	0.8Ah
<i>The discharge capacity of battery depends on the environment temperature and the terminated voltage of the battery.</i>	
Nominal Voltage	3.6V
Maximum Continuous Current	25mA
Maximum Pulse Current	60mA
<i>Under temperature of 23±2°C, the battery starts to discharge with 5µA base current. The battery releases one pulse 60mA/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.</i>	
Weight	9g
Operating Temperature	-55°C ~ +85°C

• 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



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

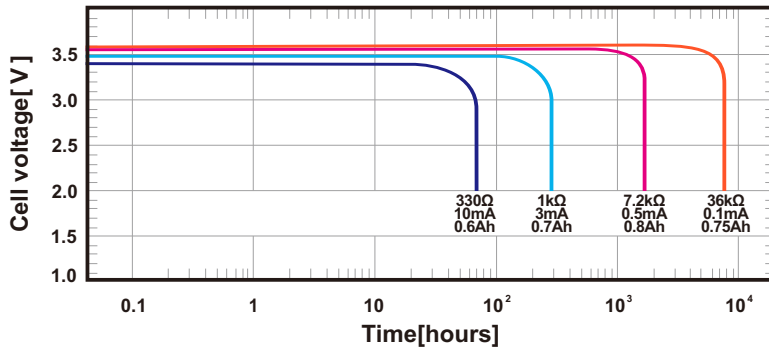
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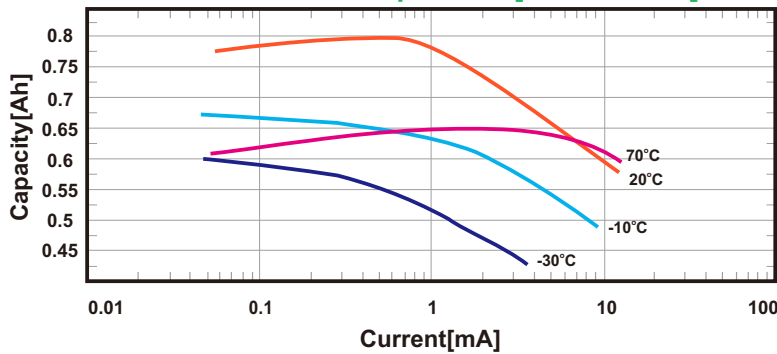
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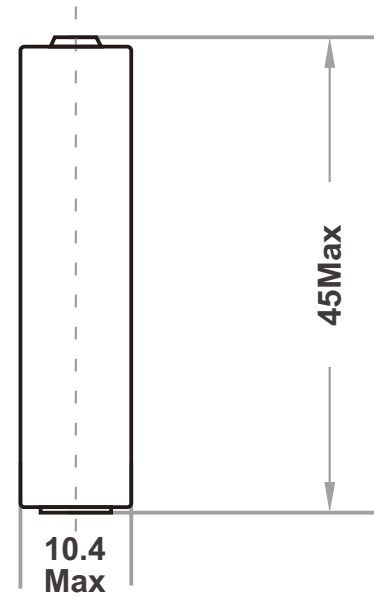
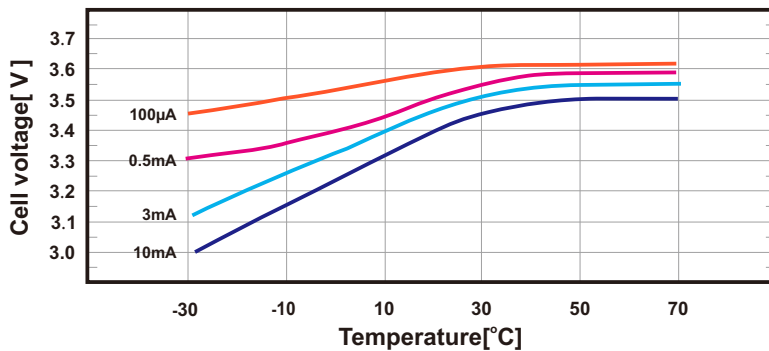
Typical Discharge Profiles at +23±2°C



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