



ER34615M

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



• Electrical Specification

Nominal Capacity[10mA~2V] 13Ah

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

Nominal Voltage 3.6V

Maximum Continuous Current 2000mA

Maximum Pulse Current 3000mA

Under temperature of 23±2°C, the battery starts to discharge with 20µA base current. The battery releases one pulse 3000mA/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.

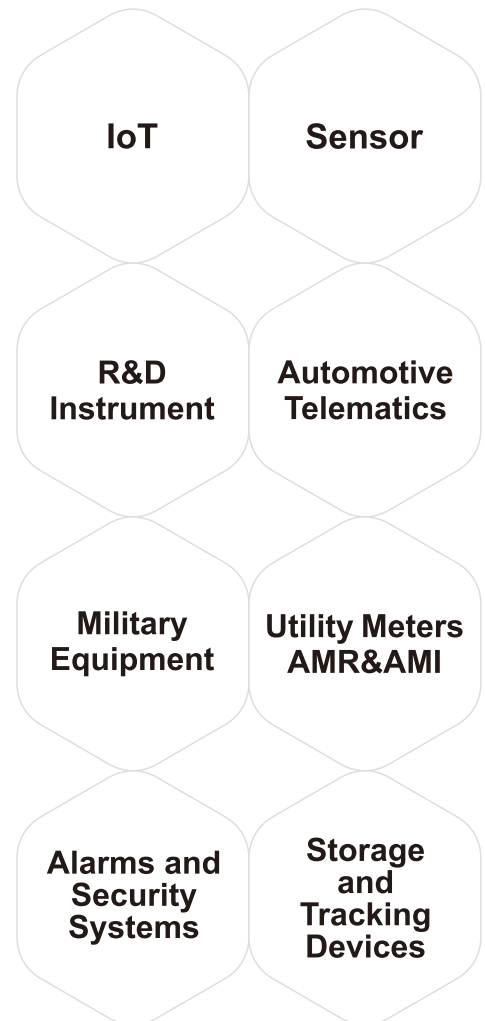
Weight 115g

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

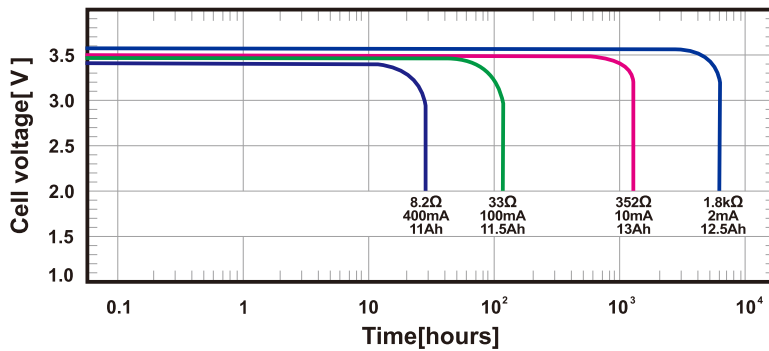


**Customer Satisfaction is the Purpose We Always Adhere to,
Continuous Improvement is the Direction We Always Pursue!**

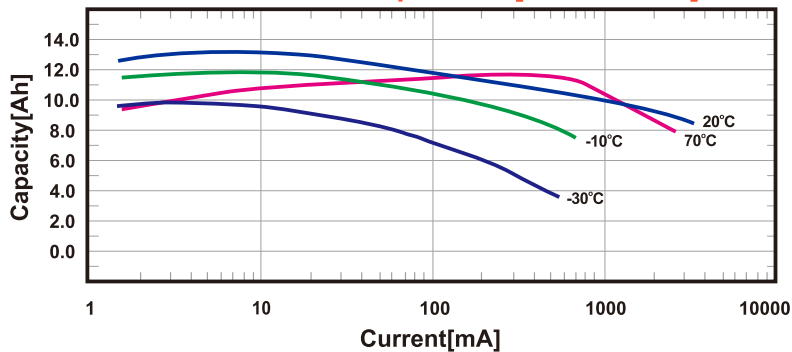
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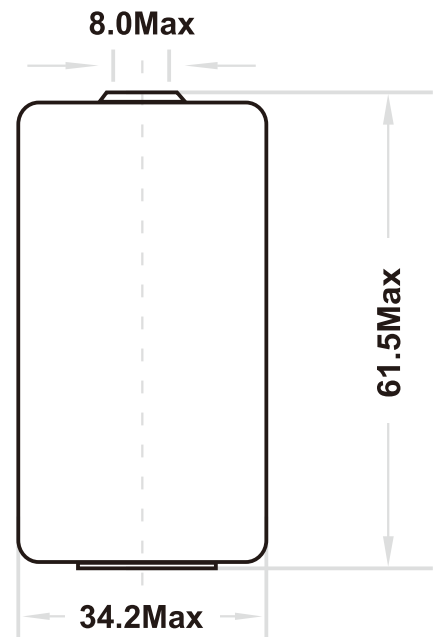
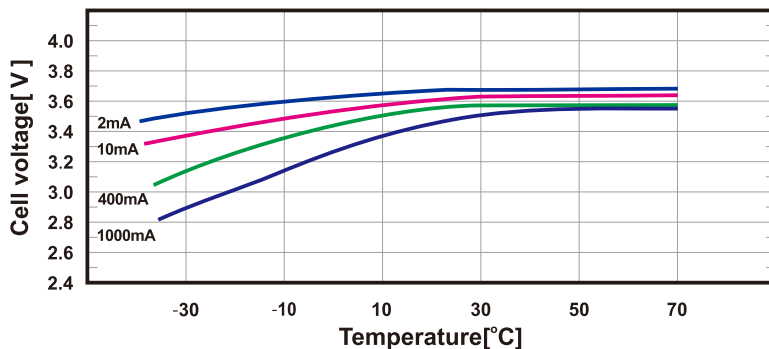
Typical Discharge Profiles at +23±2°C



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.