



# ER26500

**Lithium Thionyl Chloride Battery [Bobbin Type]**

**Li/SOCl<sub>2</sub> 3.6V**

## • Electrical Specification

**Nominal Capacity[3mA~2V]** **8.5Ah**

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

**Nominal Voltage** **3.6V**

**Maximum Continuous Current** **100mA**

**Maximum Pulse Current** **200mA**

*Under temperature of 23±2°C, the battery starts to discharge with 10µA base current. The battery releases one pulse 200mA/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** **53g**

**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



Smart Battery Solutions...



## • Main Applications

IoT

Sensor

R&D  
Instrument

Automotive  
Telematics

Military  
Equipment

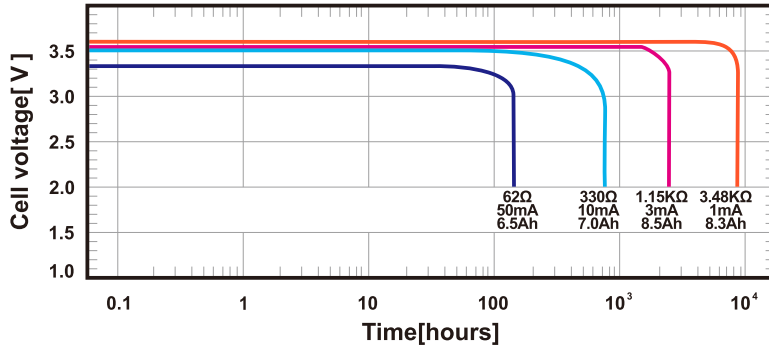
Utility Meters  
AMR&AMI

Alarms and  
Security  
Systems

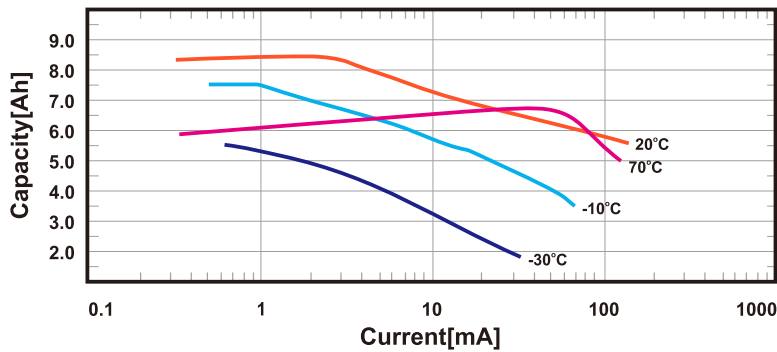
Storage  
and  
Tracking  
Devices

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

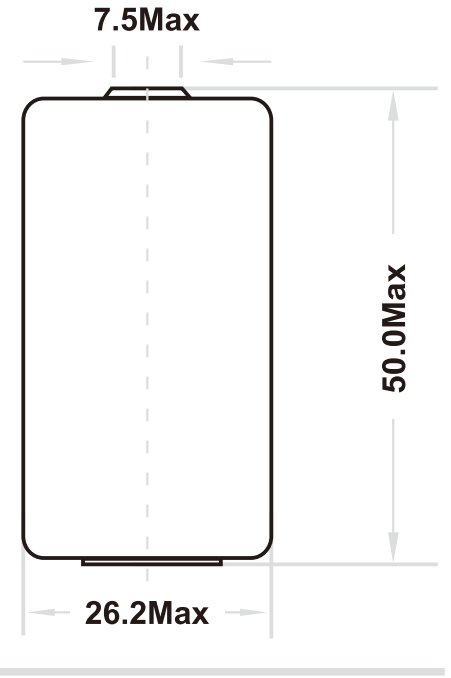
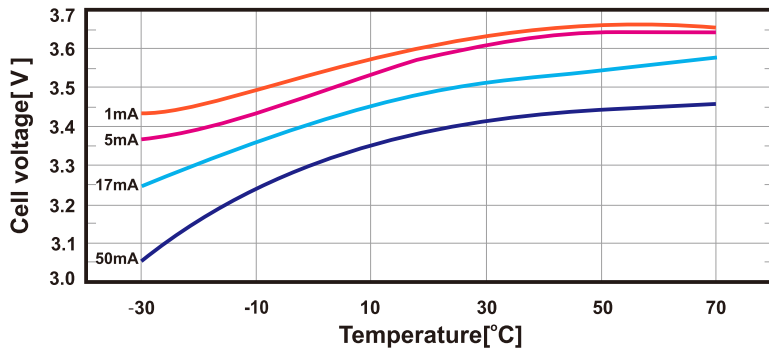
**Typical Discharge Profiles at +23±2°C**



**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.