

**Approval Sheet for**

**Lithium Thionyl Chloride Battery Datasheet**

**Model: ER34615**

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ER34615

Product Specification

## Specification Approval Sheet

Model: ER34615

Prepared By/Date	Checked By/Date	Approved By/Date

Customer Approval	Confirmation	Date

Note: 1. Kindly please sign on the above and send it back to us if the sample is approved.  
2. Kindly please contact us as soon as possible if the sample isn't approved. Thanks!

### 1. Model ER34615 Bobbin Type

#### 2. Specification

- 1) Nominal voltage  3.6V
- 2) Nominal capacity  19000mAh(3mA / 2.0V)

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- |                                    |                                      |
|------------------------------------|--------------------------------------|
| 3) Discharge end-voltage□          | 2.0V                                 |
| 4) Operating voltage□              | 3.5V(330Ω, in 5s)                    |
| 5) Max constant discharge current□ | 200mA                                |
| 6□Max. pulse current□              | 400mA                                |
| 7) Ambient temperature range□      | -55~ +85□                            |
| 8) Storage life□                   | ≥10 year, Yearly self-discharge ≤ 1% |

**3. Appearance & Dimension/Weight**

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|--------------------|-----------------|
| 1) Appearance:     | Cylinder        |
| 2) Max dimension : | φ34.2mm×h61.5mm |
| 3) Max weight:     | 106g            |

**4. Performance Testing**

Unless other requests , all tests are carried out in ambient temperature 20±5□.

Tests should be made within 45 days after receipt of the batteries.

### Quality Data Inspection

Item	Measuring Procedure	Standard
1.Appearance	Visual check	Clean, unscratched and clearly labeled
2.Dimensions	Measured by calipers with precision of 0.02mm	Max $\phi$ 34.2×61.5mm
3.Weight	Weighed by balance with precision of 0.1g	Max 106g
4.Open-circuit voltage	Measure by volt-meter with precision of 0.01V	≥3.65V
5.Operating voltage	Measure by volt-meter with precision of 0.01V, connecting an impedance of 200 $\Omega$ in series, Reaching the target voltage in 5 seconds.	≥3.45V
6.Nominal discharge	200 $\Omega$ , 20±2 $\square$ , Constant discharge to 2.0V.	≥13.0Ah
7.Rapid discharge	30 $\Omega$ , 20±2 $\square$ , Constant discharge to 2.0V.	≥10.0Ah
8. Discharge at high temperature	Put battery in constant ambient temperature of 55±2 $\square$ for 16 hours, discharge at 200 $\Omega$ to 2.0V/cell.	≥13.5Ah
9.Discharge at low temperature	Put battery in constant ambient temperature of -40±2 $\square$ for 16 hours, discharge at 680 $\Omega$ to 2.0V/cell	≥6.5Ah
10.Charge	Prohibited	Prohibited
11.Over-discharge	Prohibited	Prohibited
12.Self discharge	Store the batteries at constant temperature of 20±5 $\square$ , Measure the nominal capacity yearly for 10 years.	≤1%

# SPECIFICATION

## Model:ER34615

Thionyl Chloride Lithium Battery

● **Characteristics:**

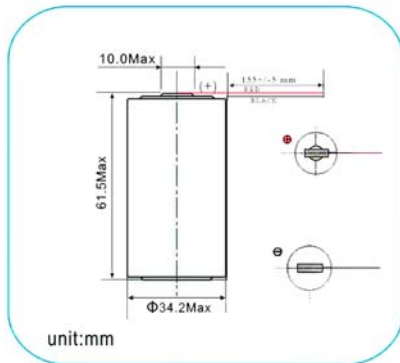
- ▲ Nominal capacity (3mA to 2.0V) ..... 19Ah
- ▲ Nominal voltage ..... 3.6V
- ▲ Max. Continuous current ..... 200mA
- ▲ Max. Pulse current ..... 400mA
- ▲ Weight ..... 106g
- ▲ Dimension .....  $\phi 34.0 \times 61.5\text{mm}$
- ▲ Operating temperature range .....  $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$

● **Terminals available:**

- AX ..... axial leads
- T ..... welding pins
- P ..... plastic plug

● **Special design is acceptable**

◆ **Data above is for reference**



# Li-SOCl<sub>2</sub>

● **Characteristic curves**

