

# Power Glory Battery Tech (HK) Co. Ltd.

## QUALITY APPROVAL STANDARD

**1. MODEL NO.: ER34615W**                      **D size (High Capacity Type)**

### 2. SPECIFICATION:

- |                                    |   |
|------------------------------------|---|
| (1) Nominal voltage                | : 3.6V                                      |
| (2) Nominal capacity               | : 16500mAh (5mA Constant discharge to 2.0V) |
| (3) Nominal discharge current      | : 15mA(200Ω)                                |
| (4) Rapid discharge current        | : 100mA(33Ω)                                |
| (5) Discharge end-voltage          | : 2.0V                                      |
| (6) Operating voltage              | : 3.3V(200Ω, in 5s)                         |
| (7) Max constant discharge current | : 230mA                                     |
| (8) Ambient temperature range      | : -55~ +85°C (humidity:65±10%)              |
| (9) Storage life                   | : ≥ 10 years, yearly self-discharge ≤ 1%    |

### 3. Appearance & Dimension/Weight

- |                   |                   |
|-------------------|-------------------|
| (1) Appearance    | : Cylinder shape  |
| (2) Max dimension | : ø34.0×61.5(h)mm |
| (3) Max weight    | : 115g            |

### 4. Performance Testing

Unless otherwise request, all tests are carried out in ambient temperature 20±5°C,  
Tests should be made within 45 days after receipt of the batteries.

#### 4.1 Test Requirement

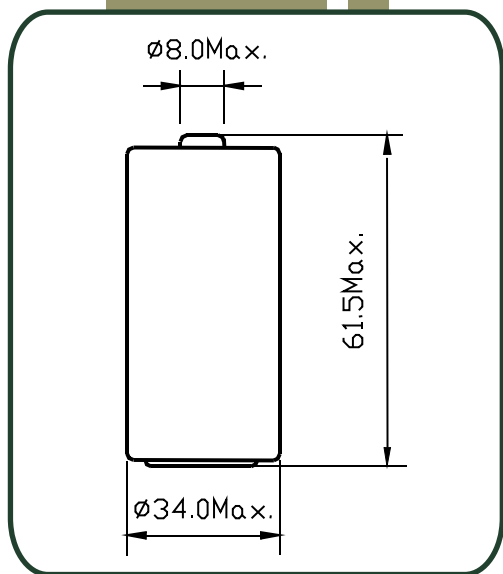
#### 4.2 Examination procedure & standard

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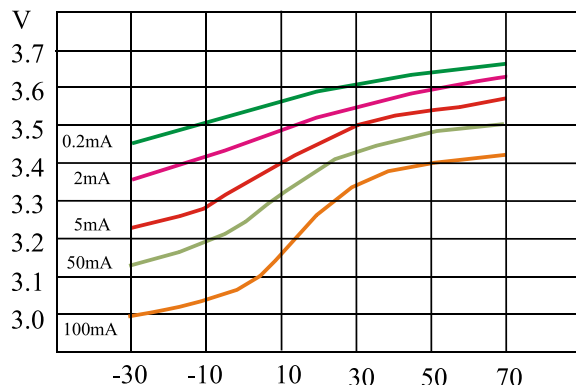
Item	Measuring Procedure	Standard
1. Appearance	Visual check	Clean, unscratched and clearly labeled
2. Dimensions	Measured by calipers with precision of 0.02mm	∅ 34.0×61.5mm max
3. Weight	Weighed by balance with precision of 0.1g	115g max
4. Open-circuit voltage	Measure by volt-meter with precision of 0.01V	≥3.64V
5. Operating voltage	Measure by volt-meter with precision of 0.01V, connecting an impedance of 200Ω in series, reaching the target voltage in 5 seconds	≥3.30V
6. Nominal discharge	200Ω, 20±2°C, Constant discharge to 2.0V	≥14.5Ah
7. Rapid discharge	33Ω, 20±2°C, Constant discharge to 2.0V	≥10.0Ah
8. Discharge at high temperature	Put battery in constant ambient temperature of 45±2°C for 16 hours, discharge at 220Ω to 2.0V/cell	≥14.0Ah
9. Discharge at low temperature	Put battery in constant ambient temperature of -40±2°C for 16 hours, discharge at 680Ω to 2.0V/cell	≥4500mAh
10. Charge	Prohibited	Prohibited
11. Over-discharge	Prohibited	Prohibited
12. Self discharge	Store the batteries at constant temperature of 20±5°C, measure the nominal capacity yearly for 10 years.	≤1%

# ER34615W

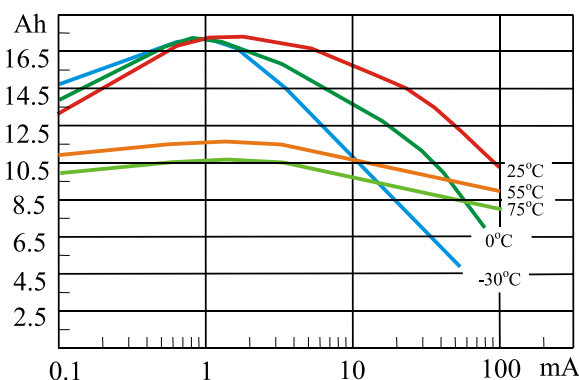
## Lithium Thionyl Chloride Cylindrical Battery Specification Sheet



Voltage vs Temperature



Capacity vs Current



### ER34615W

Nominal Capacity (5mA - 2V)	Nominal Voltage	Max. Constant Current	Max. Pulse Current	Weight	Dimension	Operating temperature
16500mAh	3.6V	230mA	500mA	115	Ø34x61.5mm	-55°C~85°C

**Caution:**

- Do not charge nor short-circuit.
- Do not solder directly nor force-discharge.
- Do not heat, disassemble, dispose of in fire.
- Do not apply strong pressure nor handle roughly.
- Do not use new and used batteries together nor mix different types of batteries.
- Do not reverse the positive and negative pole of battery while using it.

Discharge Characteristics at 23±2°C

