

# **CHEAPE TECHNOLOGY INTERNATIONAL LIMITED.**

**1. Model: ER34615M**

## **2. Specification**

- |                                    |   |
|------------------------------------|---|
| 1) Nominal voltage:                | 3.6V  |
| 2) Nominal capacity:               | 14500mAh(10mA / 2.0V)                           |
| 3) Nominal discharge current:      | 400mA(8.2 $\Omega$ )                            |
| 4) Rapid discharge:                | 1000mA(3.0 $\Omega$ )                           |
| 5) Discharge end-voltage:          | 2.0V  |
| 6) Operating voltage:              | 3.2V(4.4 $\Omega$ , in 5s)                      |
| 7) Max constant discharge current: | 2000mA  |
| 8) Max. pulse current:             | 3000mA  |
| 9) Ambient temperature range:      | -55~ +85 $^{\circ}$ C                           |
| 10) Storage life:                  | $\geq$ 10 year, Yearly self-discharge $\leq$ 1% |

## **3. Appearance & Dimension/Weight**

- |                    |                                |
|--------------------|--------------------------------|
| 1) Appearance:     | cylinder shape                 |
| 2) Max dimension : | $\phi$ 34.2mm $\times$ h61.5mm |
| 3) Max weight:     | 106g                           |

## **4. Performance Testing**

Unless otherwise request , all tests are carried out in ambient temperature  $20\pm 5^{\circ}$ C.

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

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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	$\phi 34.2 \times 61.5$ mm max
3.Weight	Weighed by balance with precision of 0.1g	106g max
4.Open-circuit voltage	Measure by volt-meter with precision of 0.01V	$\geq 3.65$ V
5.Operating voltage	Measure by volt-meter with precision of 0.01V, connecting an impedance of $6.2 \Omega$ in series, Reaching the target voltage in 5 seconds.	$\geq 3.30$ V
6.Nominal discharge	$33 \Omega$ , $20 \pm 2^\circ\text{C}$ , Constant discharge to 2.0V.	$\geq 11.0$ Ah
7.Rapid discharge	$6.2 \Omega$ , $20 \pm 2^\circ\text{C}$ , Constant discharge to 2.0V.	$\geq 9.5$ Ah
8. Discharge at high temperature	Put battery in constant ambient temperature of $55 \pm 2^\circ\text{C}$ for 16 hours, discharge at $33 \Omega$ to 2.0V/cell.	$\geq 11.5$ Ah
9.Discharge at low temperature	Put battery in constant ambient temperature of $-40 \pm 2^\circ\text{C}$ for 16 hours, discharge at $33 \Omega$ to 2.0V/cell	$\geq 5.5$ Ah
10.Charge	Prohibited	Prohibited
11.Over-discharge	Prohibited	Prohibited
12.Self discharge	Store the batteries at constant temperature of $20 \pm 5^\circ\text{C}$ , Measure the nominal capacity yearly for 10 years.	$\leq 1\%$

### **Examination procedure & standard**

Unless otherwise request, all tests are carried out in ambient temperature  $20 \pm 5^\circ\text{C}$ . Tests should be made within 45 days after receipt of the batteries.