

BAO TONG USA dba TYSONIC BATTERIES

1.MODEL NO.: ER34615H

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(200 Ω)
- 4) Rapid discharge current: 107mA(30 Ω)
- 5) Discharge end-voltage: 2.0V
- 6) Operating voltage: 3.3V(200 Ω , in 5s)
- 7) Max constant discharge current : 230mA
- 8) Ambient temperature range: -55~ +85°C
- 9) Storage life: ≥ 10 years, yearly self-discharge $\leq 1\%$

3. Appearance & Dimension/Weight

- 1) Appearance: cylinder shape
- 2) Max dimension : $\phi 34.0 \times 61.5$ (h)mm
- 3) Max weight: 115g

4. Performance Testing

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.

4.1 Test Requirement

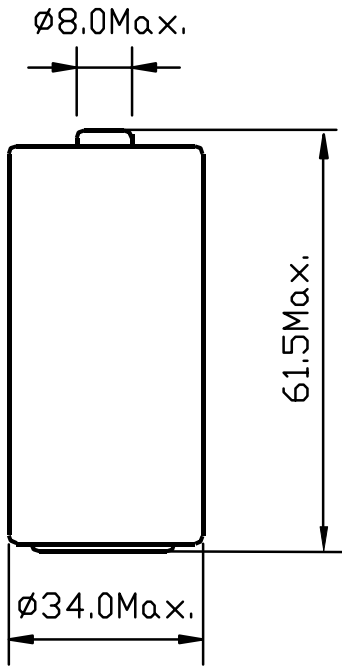
4.2 Examination procedure & standard

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Item	Measuring Procedure	Standard
1.Appearance	Visual check	Clean, unscratched and clearly labeled
2.Dimenaions	Measured by calipers with precision of 0.02mm	$\phi 34.0 \times 61.5$ mm 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	≥ 3.64 V
5.Operating voltage	Measure by volt-meter with precision of 0.01V, connecting an impedance of 200 Ω in series, reaching the target voltage in 5 seconds	≥ 3.30 V
6.Nominal discharge	200 Ω , $20 \pm 2^\circ\text{C}$, Constant discharge to 2.0V	≥ 14.5 Ah
7.Rapid discharge	30 Ω , $20 \pm 2^\circ\text{C}$, Constant discharge to 2.0V	≥ 13.0 Ah
8. Discharge at high temperature	Put battery in constant ambient temperature of $45 \pm 2^\circ\text{C}$ for 16 hours, discharge at 220 Ω to 2.0V/cell	≥ 13.5 Ah
9.Discharge at low temperature	Put battery in constant ambient temperature of $-40 \pm 2^\circ\text{C}$ for 16 hours, discharge at 680 Ω to 2.0V/cell	≥ 4500 mAh
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.	$\leq 1\%$

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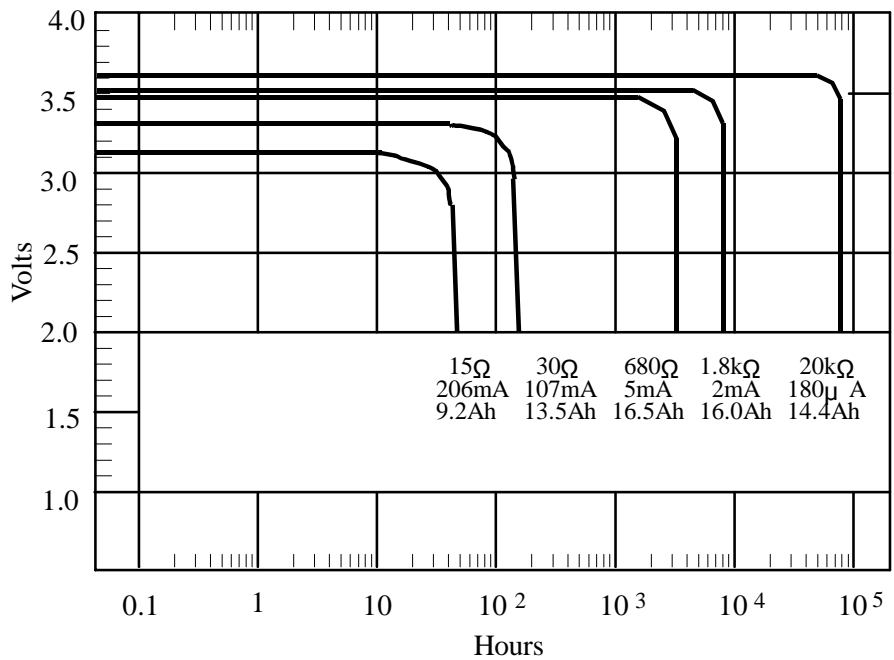
▲ MODEL NO.: ER34615H



■ SPECIFICATION: ($23 \pm 2^\circ\text{C}$)

Nominal capacity (5mA ~2V):	16.5 A h
Rated voltage:	3.6 V
Max constant current of discharge:	230 mA
Max discharge current (pulse):	500 mA
Weight:	115 g
Operating temperature range:	-55~85°C

■ Discharge characteristics at $23 \pm 2^\circ\text{C}$



S: Standard termination

Notes:

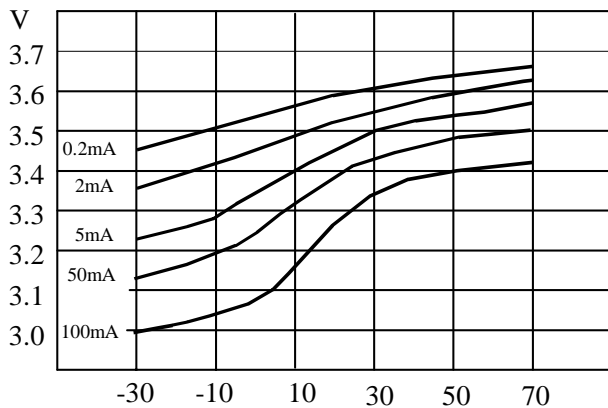
Dimension: mm

Special terminations can be Made as requested.

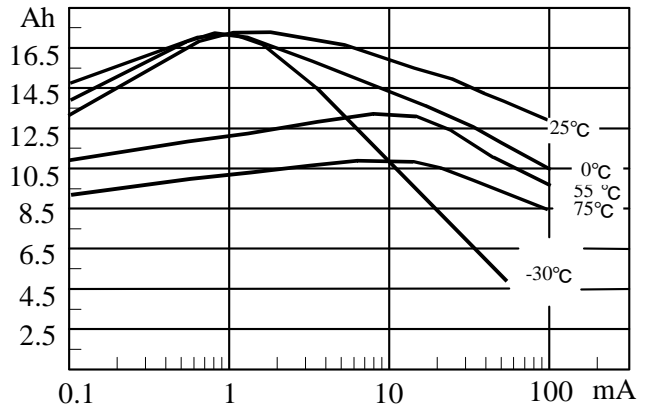
T: Solder tabs

P: Axial pins

■ Voltage VS. Temperature



■ Capacity VS. Current



■ Important Notes:

Do not short or charge the battery. Over-discharging, crushing, incinerating, and disassembling the battery are prohibited. Do not heat/use the battery beyond the permitted temperature range.