MODEL : ER34615C
Lithium Thionyl Chloride Battery

1. SPECIFICATIONS:

1) Nominal voltage: 3.6V
2) Nominal capacity: 19Ah (2mA Constant discharge to 2.0V)
3) Nominal discharge: 15mA (1200 Ω)
4) Rapid discharge: 60mA (330 Ω)
5) Discharge end-voltage: 2.0V
6) Operating voltage: 3.3V (330 Ω, in 5s)
7) Max constant discharge current: 60mA
8) Ambient temperature range: -55~+85℃
9) Storage life: ≥10year, Yearly self-discharge ≤ 1%

2. Appearance & Dimension/Weight

1) Appearance: cylinder shape
2) Max dimension: φ34.0×h61.5mm
3) Max weight: 105g

3. Performance Testing

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

3.1 Test Requirement

3.2 Examination procedure & standard
**Examination procedure & standard**

<table>
<thead>
<tr>
<th>Item</th>
<th>Measuring Procedure</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Appearance</td>
<td>Visual check</td>
<td>Clean, unscratched and clearly labeled</td>
</tr>
<tr>
<td>2. Dimensions</td>
<td>Measured by calipers with precision of 0.02mm</td>
<td>φ34.0×61.5mm max</td>
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<tr>
<td>3. Weight</td>
<td>Weighed by balance with precision of 0.1g</td>
<td>105g max</td>
</tr>
<tr>
<td>4. Open-circuit voltage</td>
<td>Measure by volt-meter with precision of 0.01V</td>
<td>≥3.64V</td>
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<tr>
<td>5. Operating voltage</td>
<td>Measure by volt-meter with precision of 0.01V, connecting an impedance of 200Ω in series, Reaching the target voltage in 5 seconds.</td>
<td>≥3.30V</td>
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<tr>
<td>6. Nominal discharge</td>
<td>200 Ω , 20 ± 2 °C, Constant discharge to 2.0V.</td>
<td>≥14.5Ah</td>
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<tr>
<td>7. Rapid discharge</td>
<td>56Ω, 20 ± 2°C, Constant discharge to 2.0V.</td>
<td>≥9.0Ah</td>
</tr>
<tr>
<td>8. Discharge at high temperature</td>
<td>Put battery in constant ambient temperature of 55 ± 2°C for 16 hours, discharge at 200Ω to 2.0V/cell.</td>
<td>≥13.5Ah</td>
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<tr>
<td>9. Discharge at low temperature</td>
<td>Put battery in constant ambient temperature of -40 ± 2°C for 16 hours, discharge at 680Ω to 2.0V/cell</td>
<td>≥7Ah</td>
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<tr>
<td>10. Charge</td>
<td>Prohibited</td>
<td>Prohibited</td>
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<tr>
<td>11. Over-discharge</td>
<td>Prohibited</td>
<td>Prohibited</td>
</tr>
<tr>
<td>12. Self discharge</td>
<td>Store the batteries at constant temperature of 20 ± 5 °C, Measure the nominal capacity yearly for 10 years.</td>
<td>≤1%</td>
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</tbody>
</table>

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.
**MODEL NO.: ER34615H**

**SPECIFICATION: (23±2°C)**
- Nominal capacity (5 mA ~ 2 V): 19 Ah
- Rated voltage: 3.6 V
- Max constant current of discharge: 20 mA
- Max discharge current (pulse): 60 mA
- Weight: 105 g
- Operating temperature range: -55~85°C

U.L. Component Recognition MH 29130

**Discharge characteristics at 23±2°C**

Notes:
- Dimension: mm
- Special terminations can be Made as requested.
- T: Solder tabs
- P: Axial pins

**Important Notes:**
Do not short cut 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.