1. Preface
The purpose of this product specification is to provide technical information for the Lithium/Iron Disulfide (Li/FeS₂) Lithium battery LFB AAA, manufactured and supplied by EWT Battery Company.

2. Description and Model
2.1 Description Lithium/Iron Disulfide (Li/FeS₂)
2.2 Model LFB AAA

3. Specification
3.1 Rated Capacity 1100mAh at 350mA discharge
3.2 Average Weight 7.7g
3.3 Nominal Voltage 1.5V
3.4 Work Voltage 1.30V at Constant current 100mA discharge
3.5 Cut-off Discharge Voltage 0.80V
3.6 Max. Discharge Current 1000mA
3.7 Volume 3.8 cubic centimeters (0.2 cubic inch)
3.8 Lithium Content Less than 0.5 gram (0.02 oz.) per cell
3.9 Ambient Temperature
   for Standard Discharge -20°C~45°C
3.10 Storage
   for within the temperature -20°C~45°C
   for within the humidity ≤75%
3.11 Energy Density
   Wh/L
   Wh/Kg
3.12 Shell Life 10years
3.13 Charge State Internal Impedance

4. Appearance
Appearance shall be free from any remarkable scratch, flaws, rust, discoloration or electrolyte leakage (visible or by smell)

5. Standard Test condition
5.1 Environment Conditions
   Unless otherwise specified, all test stated in this Product Specification are conducted within the temperature 15~25°C and the humidity 45~85%RH.
5.2 Test Equipment

(1) Impedance meter

The impedance meter with AC 1kHz should be used

6. Test Procedure and Its Standard

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<tr>
<th>Item</th>
<th>Measuring Procedure</th>
<th>Standard</th>
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<td>Visual</td>
<td>No Defect and Leak</td>
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<td>6.2 Dimension</td>
<td>Caliper</td>
<td>As item 8</td>
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<td>6.3 Weight</td>
<td>Scale</td>
<td>As item 3.12</td>
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<td>6.4 Max. Discharge Current</td>
<td>Until final discharge voltage</td>
<td>1000mA</td>
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<td>6.6 Open Circuit Voltage</td>
<td>measure open circuit voltage</td>
<td>1.70~1.90V</td>
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<td>6.7 Internal Impedance</td>
<td>Measure the battery with 1kHz AC</td>
<td></td>
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<tr>
<td>6.8 Discharge Capacity</td>
<td>The battery discharge until final discharge voltage 0.8V, at 350 mA and measure the capacity</td>
<td>&gt;1100mAh</td>
</tr>
<tr>
<td>6.9 Leakage Proof</td>
<td>The battery shall be stored at 40±2℃ and humidity 80±5% or 21 days</td>
<td>No leakage should be observed by visual inspection</td>
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7. Discharging at 350mA and 100mA to 0.8V

8. Dimension (Bare cell) mm