



Excellent Quality, Prompt Delivery and Competitive Price

DATA SHEET

To: LFE AAA

Model: Yang Si Sing

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Checked by: Mong Xan Sun

Approved by: _____



1. Preface

The purpose of this product specification is to provide technical information for the Lithium/Iron Disulfide (Li/FeS₂) Lithium battery LFE AAA, manufactured and supplied by Great Power Battery Co. Ltd.

2. Description and Model

2.1 Description: Lithium/Iron Disulfide (Li/FeS₂)

2.2 Model : LFE AAA

3. Specification

3.1 Rated Capacity: 1100mAh discharging at 350mA current

3.2 Average Weight: 7.7g

3.3 Nominal Voltage: 1.5 V

3.4 Work Voltage: 1.3V discharging at 100mA current

3.5 Cut-off Discharge Voltage: 0.80V

3.6 Max. Discharge Current: 1000mA

3.7 Volume: 3.8cubic centimeters (0.2 cubic inch)

3.8 Lithium Content: Less than 0.5 gram (0.02 oz.) per cell

3.9 Ambient Temperature: for Discharge -20°C~45°C

3.10 Storage

for within the temperature: -20°C~45°C

for within the humidity : ≤ 75%

3.11 Shell Life: 5years

4. Appearance

Appearance should 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

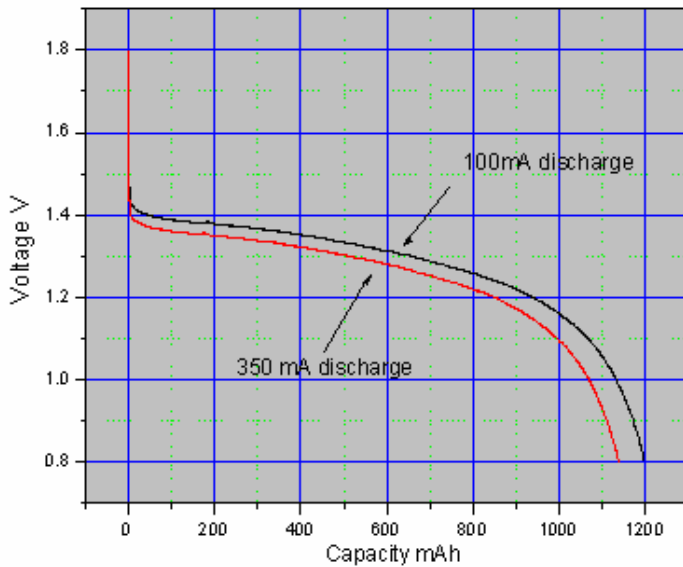
Impedance meter: The impedance meter with AC 1kHz should be used



6. Test Procedure and Its Standard

Item	Measuring Procedure	Standard
6.1 Appearance	Visual	No Defect and No Leak
6.2 Dimension	Caliper	As item 8
6.3 Weight	Scale	As item 3.12
6.4 Max. Discharge Current	Until final discharge voltage	1000mA
6.5 Open Circuit Voltage	Measure open circuit voltage	1.70V ~ 1.90V
6.6 Internal Impedance	Measure the battery with 1kHz AC	
6.7 Discharge Capacity	The battery discharge until final discharge voltage 0.8V, at 350mA and measure the capacity	> 1100mAh
6.8 Leakage Proof	The battery should be stored at $40\pm 2^{\circ}\text{C}$ and humidity $80\pm 5\%$ for 21 days	No leakage should be observed by visual inspection

7. Discharging curve at 350mA and 100mA current to 0.80V



8. Dimension (Bare cell) mm

