Great Power Battery Co., Ltd				
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Product Specification	LFB AA	Lithium/Iron Disulfide (Li/FeS2)	1	

1. Preface

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

2. Description and Model

2.1 Description Lithium/Iron Disulfide (Li/FeS2)

2.2 Model LFB AA

3. Specification

3.1 Rated Capacity 2900mAh at 1000mA discharge

3.2 Average Weight3.3 Nominal Voltage1.5V

3.4 Work Voltage 1.30V at Constant current 200mA discharge

3.5 Cut-off Discharge Voltage 0.80V
3.6 Max.Discharge Current 2000mA

3.7 Volume 8.0 cubic centimeters (0.5 cubic inch)
3.8 Lithium Content Less than 1 gram (0.04 oz.) per cell

3.9 Ambient Temperature

for Standard Charge $0^{\circ}\text{C} \sim 45^{\circ}\text{C}$ for Discharge $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$

3.10 Storage

for within the temperature $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$

for within the humidity $\leq 75\%$

3.11 Energy Density

Wh/L Wh/Kg

3.12 Shell Life 10 years

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 $15\sim25$ °C and the humidity $45\sim85$ %RH.

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5.2 Test Equipment

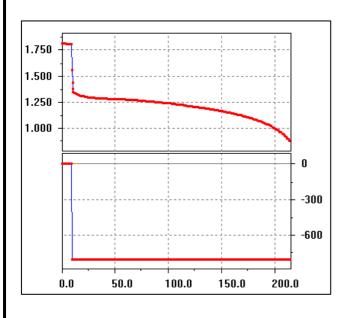
(1) Impedance meter

The impedance meter with AC 1kHz should be used

6.Test Procedure and Its Standard

Item	Measureing Procedure	Standard
6.1 Appearance	Visual	No Defect and Leak
6.2 Dimension	Caliper	As item 8
6.3 Weight	Scale	As item 3.12
6.4 Max.Discharge Current		2000mA
	Until final discharge voltage	
6.6 Open Circuit Voltage	Measure open circuit voltage	>1.72V
6.7 Internal Impedance	Measure the battery with 1kHz AC	
6.8 Discharge Capacity	The battery discharge until final discharge voltage 0.8V,at 0.2C and measure the capacity	>2900mAh
6.9 Leakage Proof	After full charging,the battery shall	No leakage should be
	be stored at 40±2°C and humidity	observed by visual
	$80 \pm 5\%$ for 21 days	inspection

7. Discarge Curve discharge at 1000mA to 0.8V



8. Dimension(Bare cell) mm

