1.5 V

Lithium/Iron Disulfide Battery

Specification

Model: LFB AA

Prepared By/Date	Checked By/Date	Approved By/Date

Important Notice

These data sheets contain information specific to batteries manufactured at the time of its publication. Content herein do not constitute a warranty.

XTRA-POWER		VER:
	Lithium/Iron Disulfide	DATE:

1. Preface

The purpose of this product specification is to provide technical information for the Lithium/Iron Disulfide (Li/FeS_2) Lithium battery LFB AA, manufactured and supplied by Xtra-Power Battery .

2. Description and Model

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

2.2 Model: LFB AA

3. Specification

3.1 Rated Capacity: 2900mAh discharging at 1000mA current

3.2 Average Weight: 14.5g

3.3 Nominal Voltage: 1.5V

3.4 Work Voltage: 1.45V discharging at 200mA constant current

3.5 Cut-off Discharge Voltage: 0.80V

3.6 Max. Discharge Current: 1500mA

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 Discharge -20°C~60°C

3.10 Storage

for within the temperature: -20°C~60°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

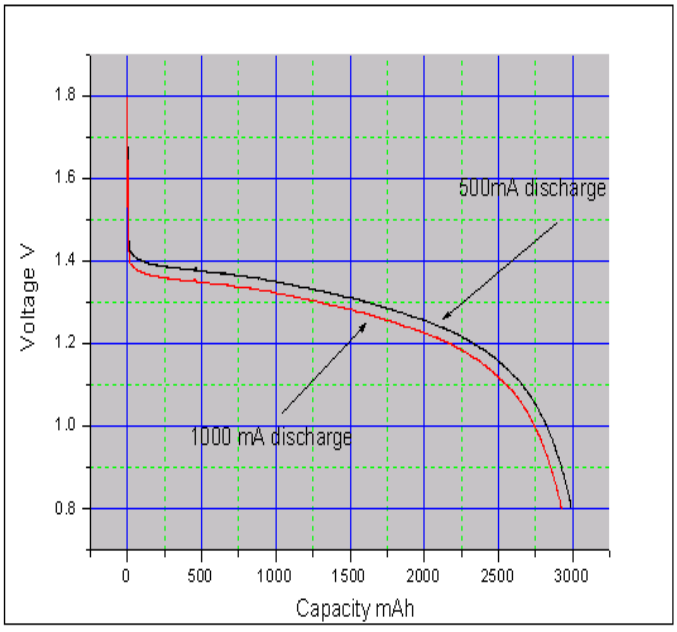
5.2 Test Equipment

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	1500mA
6.6 Open Circuit Voltage	Measure open circuit voltage	1.70V ~ 1.90V
6.7 Internal Impedance	Measure the battery with 1kHz AC	
6.8 Discharge Capacity	The battery discharge until final discharge voltage 0.8V at 1000mA and measure the capacity	> 2900mAh
6.9 Leakage Proof	The battery should be stored at 40±2°C and humidity 80±5% for 21 days	No leakage should be observed by visual inspection

7. **Discharging curve at 1000mA and 500mA current to 0.80V**



8. Dimension(Bare cell) mm