



GUANGZHOU MARKYN BATTERY CO., LTD

Lithium/Iron Disulfide Battery

Customer: _____

Lithium/Iron Disulfide Battery Specification

Model: GMB- LFB AAA

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

Note: 1. Kindly please sign on the above and send it back to us if the sample is approved.
 2. Kindly please contact us as soon as possible if the sample isn't approved. Thanks!

Customer confirmation	
Date	

Edition	Design	Reason	Approved	Date
A		First Edition		





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1. Scope

This specification is applied to GMB- LFB AAA Manufactured by GUANGZHOU MARKYN BATTERY CO., LTD.

2. Product Specification Table 1

No.	Item	Rated Performance		Remark
		Typical		
1	Rated Capacity	Typical	1100mAh	350mA discharge
		Minimum	1000mAh	
2	Nominal Voltage	1.5V		
3	Work Voltage	1.3V		Constant current 100mA discharge
4	Cut-off Discharge Voltage	0.8V		
5	Max.Discharge Current	1000mA		
6	Volume	3.8 cubic centimeters (0.2 cubic inch)		
7	Lithium Content	Less than 0.5 gram (0.02 oz.) per cell		
8	Ambient Temperature	-20°C~60°C		
9	Storage Temperature Range	-20~60°C		60±25%R.H. at the shipment state
10	Shell Life	10 years		
11	Weight	7.7g		Bare Cell

3. Appearance

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

4. standard Test condition

Unless otherwise specified, all test stated in this Product Specification are conducted within the temperature 15~25°C and the humidity 45~85%RH.





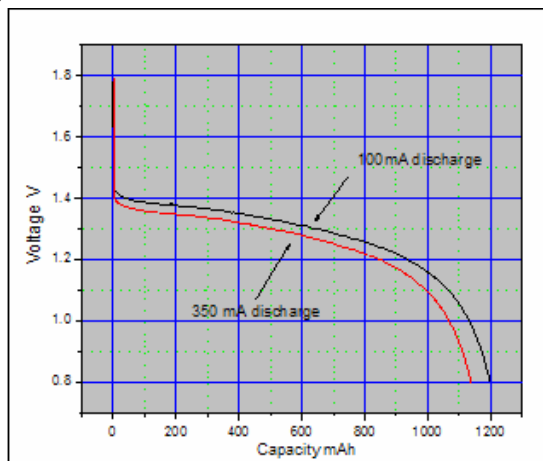
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5. Test Procedure and Its Standard

Item	Measuring Procedure	Standard
5.1 Appearance	Visual	No Defect and Leak
5.2 Dimension	Caliper	As item 7
5.3 Weight	Scale	As item 2.11
5.4 Max.Discharge Current	Until final discharge voltage	1000mA
5.6 Open Circuit Voltage	measure open circuit voltage	>1.72V
5.7 Discharge Capacity	The battery discharge until final discharge voltage 0.8V, at 350mA and measure the capacity	>1100mAh
5.8 Leakage Proof	After full charging, the battery shall 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

6. The graph for discharge at 1000mA to 0.8V



7. Dimension (Bare cell) mm

