

Shenzhen Kamcy Battery Tech CO.LTD

Specification Item No. : LR03 AAA SIZE

1. Application

This specification is only suitable for KAMCY LR03 AAA SIZE (Non-mercury Alkaline Cylindrical Batteries)

2. Normal specification

2.1	Item No.	LR03 AAA SIZE
2.2	Standard voltage	1.5V
2.3	Size	See Graphical representation 1
2.4	Weight	12±1(g)
2.5	Guarantee period	3.0 Years
2.6	Availability date's Printing	Printing in the body of batteries
2.7	stick	Aluminum Foil Jacket

3. Appearance

Cleanlily、 No Sully、 No Breakage and No Aberration.

4. The Testing Method

4.1 Related environment

Sampling Method : Refers to the MIL-STD-105E standard II

Voltmeter: 1 millivolt precise digital voltmeter, voltmeter's inner resistance \geq 1,000,000,000,000 ohm.

Test temperature: 20±2℃

4.2 Open-circuit Voltage

Initial period	Stored up 1 year
>1.50V	>1.50V

4.3 Closed circuit voltage

Initial period	Stored up 1 year
>1.35V	>1.30V

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5. Discharge capacity

5.1 Test method

(1) The actual resistance number error cannot surpass $\pm 0.5\%$ of its standard number.

(2) Test result error should not surpass $\pm 1\%$ of the real result.

(3) Storage temperature: $20 \pm 2^\circ\text{C}$ 、 Humidity : $65 \pm 20\%$;

Test temperature : $20 \pm 2^\circ\text{C}$ 、 humidity $65 \pm 20\%$.

5.2 Electric discharge capability (continue to discharging)

Resistance	Time of electric discharge		
	Initial period		Stored up 1 year
	Min average time	Gene average time	Min average time
10.0 Ohm (Final voltage 0.9V)	7.5 Hours	8.0 Hours	6.8 Hours
20.0 Ohm (Final voltage 0.9V)	16.0 Hours	16.5 Hours	14.4 Hours

6. Leaking Fluid、 Crawling Alkali

6.1 No Leaking Fluid and no crawling alkali before the products putting on the shelf.

6.2 In the normal temperature $20 \pm 15^\circ\text{C}$, under the humidity $65 \pm 20\%$, if the battery is stored over 1 year, there are No Leaking Fluid 、 No Crawling Alkali and No obvious Ballooning by eyes.

6.3 In $20 \pm 2^\circ\text{C}$, under the humidity $65 \pm 20\%$, the battery continuously discharging 48 hours undre 20 ohm resistance, there are no leaking fluid and no obvious ballooning by eyes.

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7. The Standard of Quality guarantee

Item	Standard quality level
Battery size	0.65%
Appearance	1.00%
Open-circuit voltage	0.65%
Loading voltage	1.00%
battery capability	Note (1)
Leaking fluid 6.1 6.2 6.3	<input type="checkbox"/> 0.65% Note (2) Note (3) Note (4)

Note (1): Whether Accept or not depends on the standard of IEC(1993)86-1: 8.8.

Note (2): The limited time of no leaking fluid is refers to the cargo has transported within 2 months.

Note (3):Sampling No.: n=20 Judging coefficient: Ac=1, Re=2

note (4) :Sampling No.: n=20 Judging coefficient: Ac=0, Re=1

8.Packing

The packing Contains the following two parts:

Carton and Inner box.

9. Warning:

- (1) Do not discompose the battery and make short circuit..
- (2) Do not charge the battery.
- (3) Do not put the battery in fire.
- (4)Never try to connect the positive and the negative terminals with metal or other connectors.
- (5) Do not mixed use batteries in different type (for example alkaline battery and carbon-zinc battery cannot mixed use).

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- (6) Do not weld the battery directly. If possible, please consult to our engineers.
- (7) Do not make the electric discharge excessively. It may cause explosion.
- (8) Please follow up our recommendation when you load or unload the battery.
- (9) Put the battery in a place where kids can not get to avoid swallowing by mistake, if this occurs, please sent to hospital immediately.
- (10) If the battery not in use for a long time, please take it out from the equipment..

10. Storage

- (1) Put the battery in cool and dry place before using.
- (2) Do not store the battery above 45°C.
- (3) Do not store the battery in the humidity over 75%.

Graphic (1):

Battery surface Size: (LR03 AAA SIZE)

