

PKCELL

SHENZHEN PKCELL BATTERY CO., LTD

6LR61

Specifications for Non-Hg Alkaline Battery

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Product Model: PKCELL-6LR61-9V

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(The manufacturer keeps privilege to modify the product specifications and data without notice)

Specifications for Non-Hg 6LR61 Alkaline Battery

1 Product Model

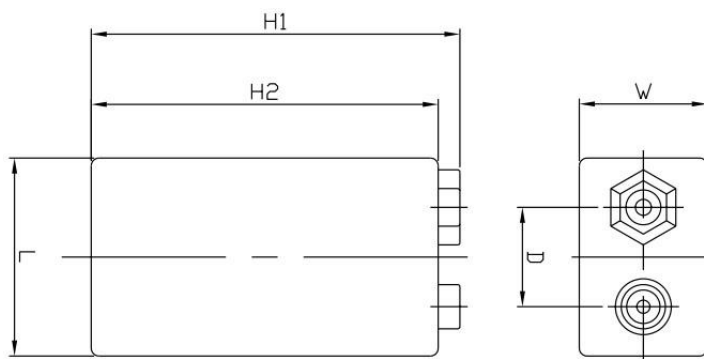
6LR61

2 Chemical System

Alkaline battery
(Non-Hg, Non-Cadmium)

3 Specification (mm)

Length : 43.3~44.5
High : 46.5~48.5
Breathth : 15.5~17.5



4 Nominal Voltage: 9V

5 Storage Performance

After 12 months storage at specified conditions, discharge capacity should be no less than 90% of the original discharge capacity.

6 Mercury Content: Less than 1ppm

7 Electrical Performance (3.9Ω 0.3S 20±2°C)

/	Open Circuit Voltage (V)	Closed Circuit Voltage (V)
Initial period	Above 9.5	Above 8.8
After 12 months	Above 9.2	Above 8.6

8. Discharge Capacity (20±2°C, R H: 45%~75%)

Load	270Ω	180Ω
Discharge way	1h/d	24h/d
Final voltage	5.4V	4.8V
Initial period	18h	11.6h

Pls check the sketch map as following

9. Performance

(1) Spillage proof test at over-discharge

The number of samples: 9

Test condition: $20\pm 2^{\circ}\text{C}$, relative humidity 45%-75%

Test method: 20Ω continuous discharge at 48h

Requirements: no spillage at eyesight, the distortion of total height of the battery will not exceed 0.2mm, the max allowable value.

Standard: 0/9

(2) Spillage proof test at high temperature

The number of samples: 20

Test condition: $45\pm 2^{\circ}\text{C}$, relative humidity 85%-95%

Test method: Under the prescriptive test conditions, the samples are stored for 30 days. Then they are took out and placed under $20\pm 2^{\circ}\text{C}$, relative humidity 45%-75% conditions for 4 to 24 hours for observation.

Requirements: no spillage at eyesight, the distortion of total height of the battery will not exceed 0.2mm, the max allowable value.

Standard: 0/20

10. Safety performance

The performance of explosion protection due to the external short circuit

The number of samples: 10

Test condition: $20\pm 2^{\circ}\text{C}$, relative humidity 45%-75%

Test method: Under the prescriptive test conditions, external short circuit lasts for 24 hours

Requirements: no separation occurs between the negative terminal and the body of the battery.

Standard: 0/10

11. Guarantee period: 3 years

12. Label on the product:

The following items are labeling on the battery surface:

(1) Model: 6LR61

(2) Trademark: PKCELL

(3) Nominal voltage: 9V

(4) Polarity: “+” “—”

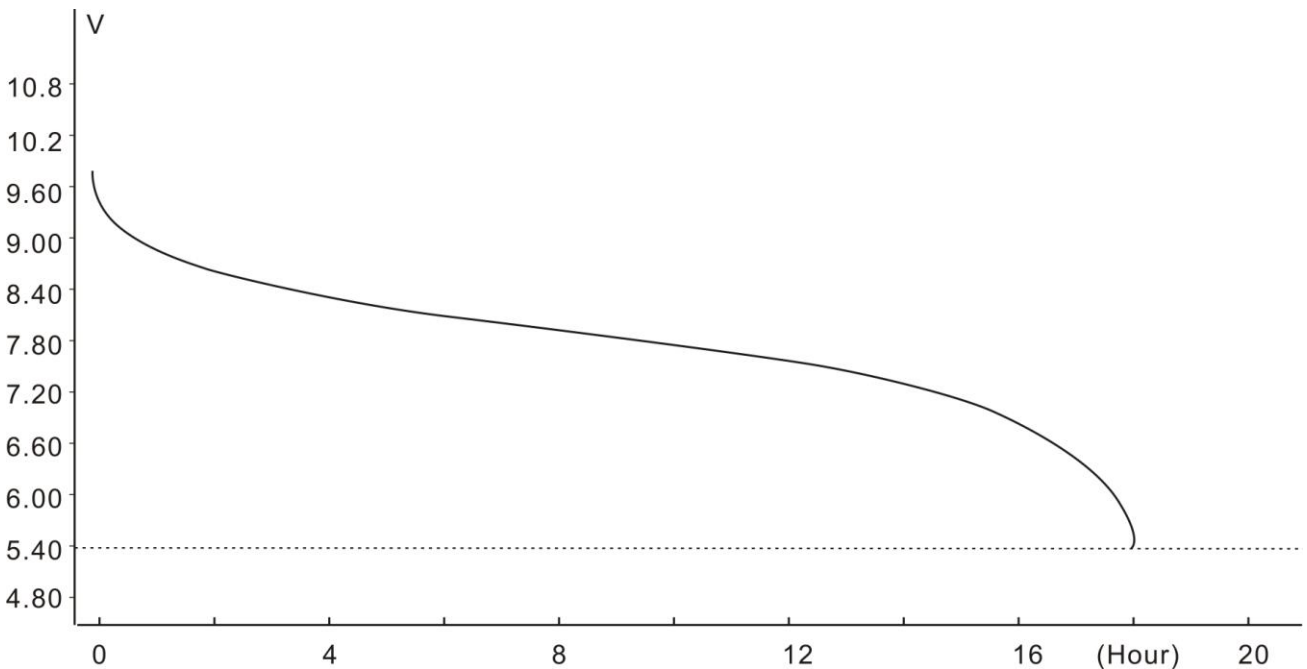
(5) Precautions: Do not attempt to recharge a battery, and Do not dispose of batteries in fire.

(6) Manufacturer: Pkcell

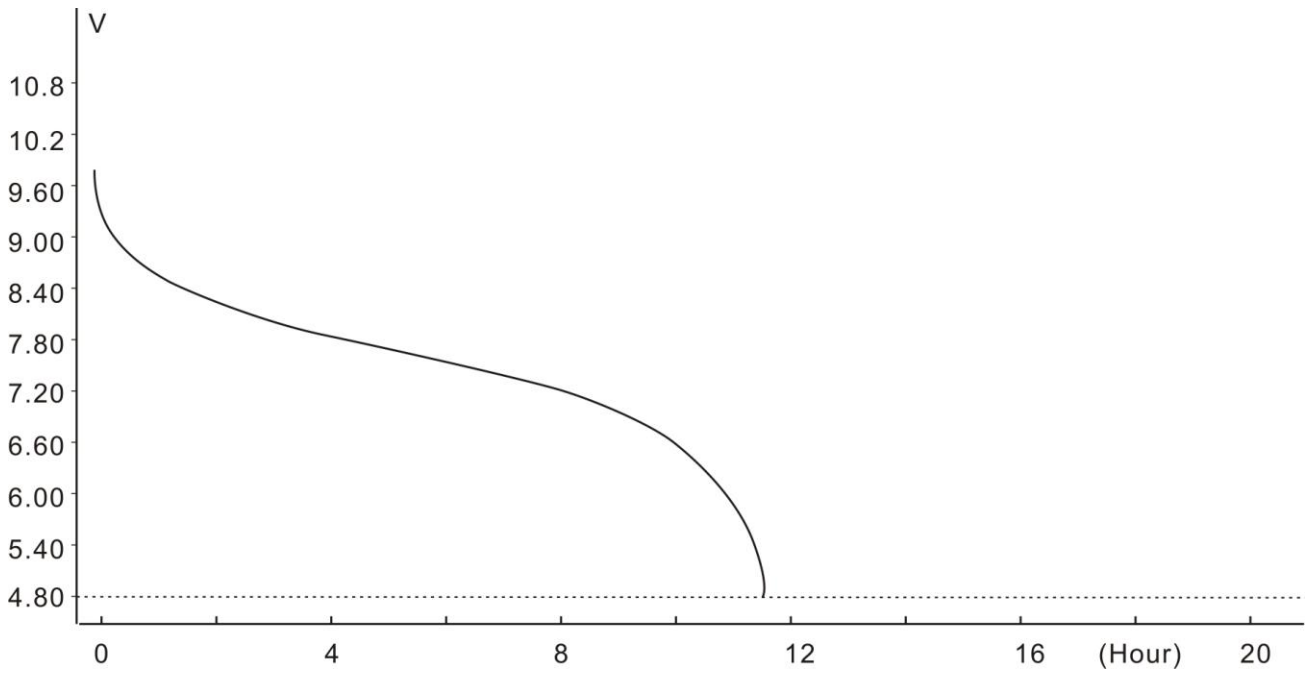
13. Precautions of use:

- (1) Since the battery is not manufactured for recharging, there are risks of electrolyte leakage or causing damage to the device if the battery is charged.
- (2) The battery shall be installed with its “+” and “-” polarity in correct position, otherwise may cause short-circuit.
- (3) Short-circuit, heating, disposing of into fire and disassembling the battery are prohibited.
- (4) Battery cannot be forced discharged, which leads to excess gassing and may result in bulging leakage and de-crimping of cap.
- (5) New and used batteries cannot be used at the same time, when replaced batteries recommend to replace all and with the same brand type.
- (6) Exhausted batteries should be removed from compartment to prevent over-discharge, which causes leakage damage to the device.
- (7) Direct soldering is not allowed, which will damage the battery.
- (8) Battery should be kept out of the reach of children to prevent swallow, in case of accident should contact physician at once.

Schematic diagram of discharge:



discharge Load: 270 Ω



discharge Load: 180 Ω