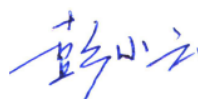


6LR61

TECHNICAL SPECIFICATION FOR ALKALINE ZINC MANGANESE DIOXIDE BATTERY

PREPARED BY: 张伟

APPROVED BY:



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1. Scope

This specification defines the technical requirements for 6LR61-plus alkaline battery.

Cross References: LR61 6AM6 9V

2. Purpose

3. Reference Document

IEC 60086-1:2000 ...*Primary Batteries-Part1:General*

IEC 60086-2:2000 ...*Primary Batteries-Part2:Physical and Electrical Specification*

GB/T 7112-1998 ...*Zinc-Manganese Dry Batteries of R03,R1,R6,R14and R20*

*Alkaline Zinc-Manganese Dry Batteries of
LR03,LR1,LR6,LR14and LR20*

4. Chemical System

Alkaline Zinc-Manganese Dioxide (KOH Electrolyte),

MERCURY AND CADMIUM ARE NOT ADDED IN THE BATTERY

5. Nominal Voltage: 9volt

6. Weight: approximate 45g

7. Nominal Capacity

480mah (Conditions: 180discharge24hours per day at 20±2℃, end point voltage 5.4v)

8. Electrical Characteristics

	Off-load Voltage (v)	On-load Voltage (v)	Short circuit current	Acceptance Standard
Initialwithin30 day	9.6	8.5	3	GB2828 commonly I sampling AQL=0.4
After 12months	9.4	8.4	2.7	

conditions: 180Ω load resistance, measuring time 0.3 seconds, temperature at 20±2℃, the hairspring type ampere meter with ±0.5% accuracy (0.5level) shall be used.

9. Service Time (condition: test temp. 20±2℃, tested within 30 days after delivery)

Discharge Condition			Average Minimum Discharge Time	
Discharge load	Daily discharge time	End Point Voltage (v)	Initial within30day	After 12mth at 20±2℃
620Ω	2h	5.4V	33H	29.7H
270Ω	1h	5.4V	12H	10.8H
270Ω	24h	5.4V	20H	18H
180Ω	24h	5.4V	15H	13H

Satisfaction standard: 9 pieces of battery will be tested for each discharging standard.

The result of the average discharging time from each discharging standard shall be equal to or more than the average minimum time requirement.

13. Caution for 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 “-” in correct position.
- (3) Short-circuiting, heating, disposing of into fire and disassembling the battery are prohibited.
- (4) Avoid using old and new batteries together.

14. Shelf Life

5 years after delivery under proper storage condition.

15. Discharge Curves

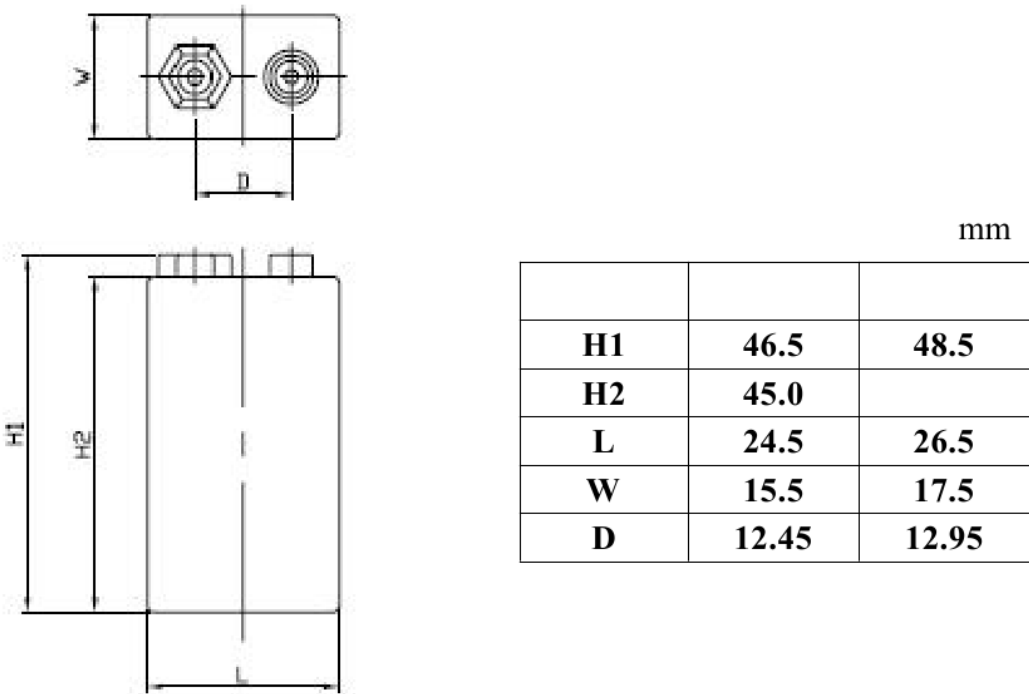
- a. 180Ω(**Page 3**)

16. Expiry Period Marking:

- a. Production date and shelf life 3 years marked on the finished cell.
- b. For private, can mark according to customer's requirements.

17. Battery Dimension(mm) Page3

1、



附图 2、放电曲线：放电方式：负载 180 欧连续放电 24h/d,终止电压：5.4V；
温度： $20 \pm 2^{\circ}\text{C}$ ；湿度条件： $65 \pm 15\%$ ；

