**1. Product Model**

LR6 AA AM-3

**2. Chemical System**

Alkaline battery（Non-Hg, Non-Cadmium）

**3. Specification**（mm）

Total Length Ａ：49.2 ∽ 50.5

External diameterф：13.5 ∽ 14.5

**4. Nominal Voltage**：**1.5V**

**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℃)

|  |  |  |  |
| --- | --- | --- | --- |
| / | Open Circuit Voltage (V) | Closed circuit Voltage (V) | Short Circuit Current (A) |
| Initial period | Above 1.58 | Above 1.45 | Above 7.0 |
| After 12 months | Above 1.55 | Above 1.43 | Above 6.0 |

8. **Discharge Capacity** (20±2℃ , RH: 45%∽45%)

|  |  |  |
| --- | --- | --- |
| Load | 3.9 Ω | 10 Ω |
| Discharge way | 24h/d | 24h/d |
| Final Voltage | 0.9V | 0.9V |
| Initial period | 5.5 h | 19.0 h |

**9. Performance**

(1) Spillage proof test at over-discharge

The number of samples：9

Test condition：20±2℃,Relative humidity 45%-75%

Test method：10Ωcontinuous 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±2℃, 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±2℃, 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±2℃, 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:** 5 years

**12. Precautions of use**：

(1）The battery is designed not to be recharged, the forced recharge will result in the spillage or the risk of equipment damage.

(2）The labels “+”“—” for the battery should installed correctly according to the directions specified by the equipment to be used.

(3）Short circuit, heating, burning and unsealing for the battery are forbidden.

Discharge Time: 360 min

**13. Marks:**

The following message will be printed or stamped on the body of the battery:

(1) Model

(2) Manufacture’s name: SIMEANS

(3) Nominal Voltage

(4) Pole

(5) Warning