



1、 Battery Type and Rations:

NOVACELL LR6 AM-3 SIZE AA

2、 Chemical System

Electrolyte-Zinc-Manganese Dioxide (Mercury & Cadmium Free)

3、 Dimension:

Diameter: 13.5~14.5 Height: 49.2~50.5

4、 Nominal Voltage: 1.5V

5、 Nominal Weight: 23.5g

6、 Hg Content: 1ppm

7、 Capacitance: 2400mAh (43Û, 20 , 0.9V Cut off)

8、 Storage Characteristics

After 12 months storage at 20 , 90% capacitance of fresh cells

After 24 months storage at 20 , 85% capacitance of fresh cells

After 36 months storage at 20 , 80% capacitance of fresh cells

9、 Electrical Characteristics [3.9Û(Precision ±0.5%), 0.3S, 20 ±2]

	OCV (V)	CCV (V)	Short-circuit current (A)
Initial	1.58	1.45	10
After 12 months	1.56	1.43	8

10、 Discharge Capacity (20 ±2 , Rh:45%-75%)

Load	10Û	1.8Û	3.9Û	10Û	43Û
Discharge Mode	24h/day	Pulse*	1h/day	1hrs/day	4hrs/day
End Voltage	0.9V	0.9V	0.8V	0.9V	0.9V
Initial	18h	560times	6.5h	18.5h	85h
After 12 months storage	17h	520times	6.0h	17.5h	80h

* Discharge 15S, stop for 45S, 24hr/day



11、 Leakage Resistance

- ◇ Top seal is made of special battery NYLON (DUPONT, USA), which emphasized the explosion-proof characteristics of battery.
- ◇ Double bead, which emphasized the unity of can and top seal.
- ◇ Applied special alkaline battery sealant, and efficiently prevent alkali from spilling.

12、 Leakage Resistance Characteristics

- ◇ **Over discharge test**

Samples: 9pcs

Test conditions: 20 ± 2 , Rh: $60 \pm 15\%$

Test method: 10U continuous discharge 48hr

Requirement: No visible leakage and overall height no higher than max height (50.5) 0.2mm.

Criterion: 0/9

- ◇ **High temperature test**

Samples: 40pcs

Test conditions: 60 ± 2 , Rh: $90 \pm 5\%$

Test method: After 20 days storage, the cells shall be stored in an ambient temperature of 20 ± 2 , relative humidity of $60 \pm 15\%$, for not less than 4h and not more than 24h.

Requirement: No visible leakage and overall height no higher than max height (50.5) 0.2mm.

Criterion: 0/40

13、 Security Characteristics

- ◇ **Short circuit explosion-proof characteristics**

Samples: 10pcs

Test conditions: 20 ± 2 , Rh: $60 \pm 15\%$

Test method: Short circuit in an ambient temperature for 24h

Requirement: Negative terminal no departure from battery body

Criterion: 0/10

- ◇ **Recharge explosion-proof characteristics**

Samples: 10pcs

Test conditions: 20 ± 2 , Rh: $60 \pm 15\%$

Test method: Recharge 24h with 150mA current

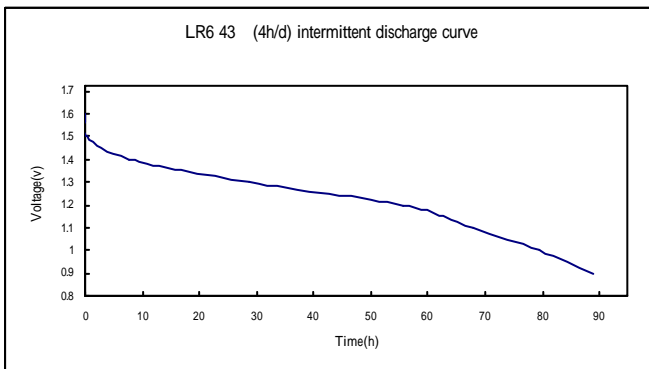
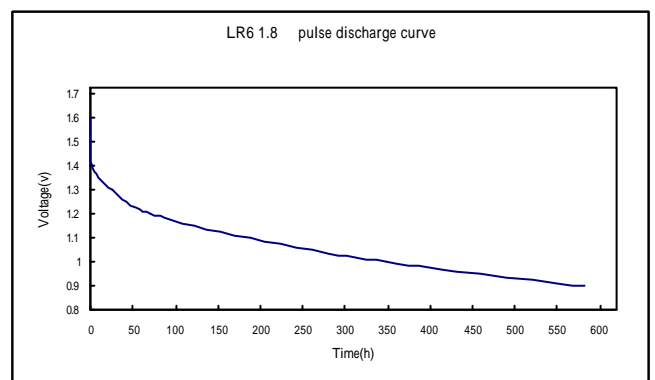
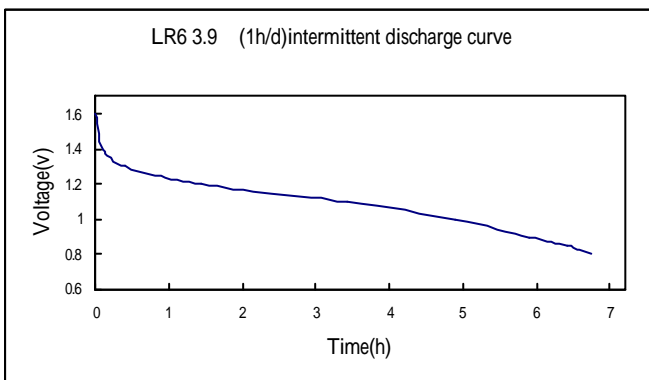
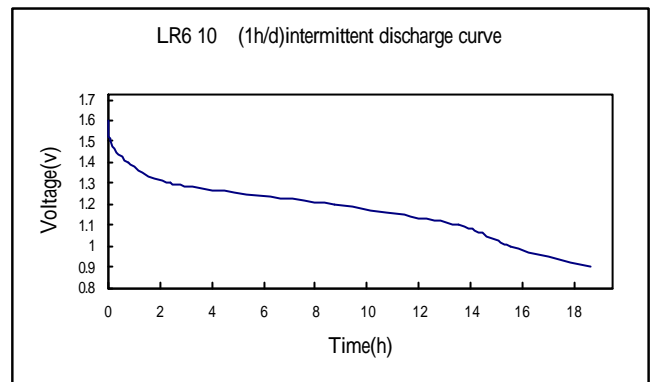
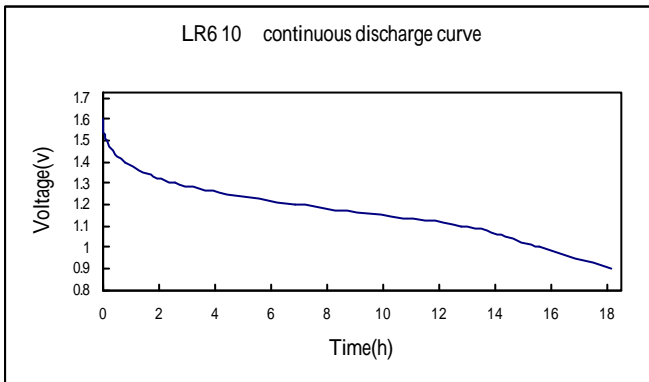
Criterion: Negative terminal no departure from battery body

Criterion: 0/10



14, Discharge Curve

- ◇ 10 \dot{U} , 24h/day to 0.9V continuous
- ◇ 10 \dot{U} , 1h/day, to 0.9V intermittent
- ◇ 3.9 \dot{U} , 1h/day, to 0.8V intermittent
- ◇ 1.8 \dot{U} , 15s/1m, 24h/day to 0.9V pulse
- ◇ 43 \dot{U} , 4h/day to 0.9V intermittent

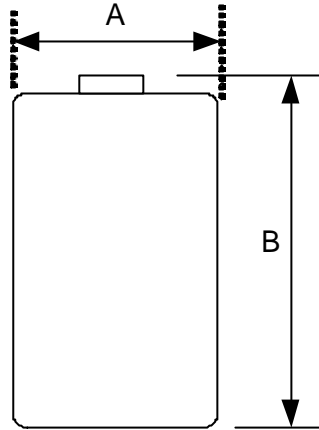




15、 LR6 Battery Dimension (in millimeters)

A : 13.5~14.5

B : 49.2~50.5



17、 Expiry Period: 3 Years

18、 Expiry Period Marking:

- ◇ Production date marked on the bottom plate of finished cells.
For example: 2002-02 means produced on Feb.2002.
- ◇ For private label, can mark according to customer's requirements.

19. Label And Packing

We have registered trademark "NOVACELL" In both Chinese And English, OEM、 ODM welcome, can design according to customer's requirements.



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TECHNICAL SPECIFICATION

ALKALINE BATTERY

MODEL: NV-UM3L

SUPER ALKALINE

[MERCURY FREE]

Date FEB. 01, 2006

Sign GLOSO CO., LTD