

WUXI CITY BAOLAI BATTERY CO.,LTD

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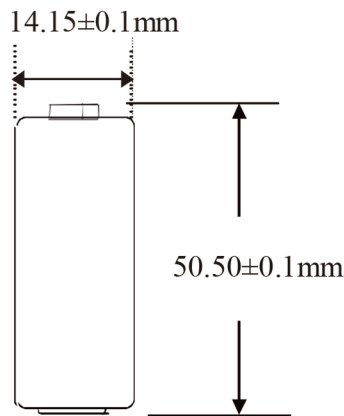
TECHNICAL SPECIFICATION

1. About

alkaline battery

Model# : LR6 / AA Gold

Dimension:



Chemical System: Zn/KOH—H₂O/MnO₂

Nominal voltage: 1.5V

Average weight: 23.5g

Jacket: PVC Al-Foil Label

Reference document: 2006/66/EC,2013/56/EU,GB/T8897.2-2013, IEC60086-1:2011

2. Ratings

Nominal Voltage		1.5V
Temperature Range for operation	Standard Temperature	20°C ± 2°C
	Special Temperature	30°C ± 2°C
	High temperature	45°C ± 2°C
Humidity Range for Storage	Standard Humidity	45%~75%
	Special Humidity	35%~65%
Dimension	Diameter	14.15±0.1mm
	Height	50.50±0.1mm

3. Service Time

Discharge condition			Average min discharge time
Discharge load	Daily discharge	End voltage (V)	
3.9 Ω	24h/d	0.9	420min
3.9 Ω	1h/d	0.8	8.4h
24 Ω	15s/min 8h/d	1.0	55.6h
43 Ω	4h/d	0.9	109.3h
1500mW 650mW	2s /28s 5min/h 24h/d	1.05	150 pulses
100mA	1h/d	0.9	25.7h
250mA	1h/d	0.9	7.6h
1000mA	10s/min 1h/d	0.9	538cycles

Capacitance: 1.90AH (3.9 Ω discharge 24hours per day at 20 $\pm$ 2 $^{\circ}$ C , end point voltage 0.9V)

4. Anti-leakage characteristic

Item	Condition	Period	Characteristics
Over-discharge characteristics	65 $\pm$ 20%RH 10 Ω continuous discharges at temp. 20 $^{\circ}$ C $\pm$ 2 $^{\circ}$ C, relative humidity 65% $\pm$ 20%RH	48h	no deformation exceeding the specified dimensions nor visible leakage
Spillage proof test at high temperature	At temp. 60 $^{\circ}$ C $\pm$ 2 $^{\circ}$ C, relative humidity 90%RH	20 days	

5. Safty

Item	Condition	Period	Characteristics
Short circuit characteristics	Temp.: 20 $^{\circ}$ C $\pm$ 2 $^{\circ}$ C	24H	Batteries shall be No explosion No fire.
Abuse characteristics	Short circuit 4 pieces of battery in series, one of the batteries has to be connected with its polarity reversed	24H	
Free fall	Drop each undischarged battery Two times, oriented in each of three mutually perpendicular face (six total) from a height 1 meter, onto a concrete surface	5pcs	

6. Marks:

the following marks will be printed or stamped on the batteries's body

- (1) Model
- (2) Nominal Voltage
- (3) pole
- (4) Warning
- (5) Manufactured Date /Exp date

7. Storage life

Under room temp and suitable environment, its shelf time is 5 years.

8. Discharge Curves

End Voltage: 1.05 V

Discharge Pattern: 1500mW 2s,650mW 28s,5min/h,24h/day

Temperature: $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$

Load Resistance: $3.9\ \Omega$ Minimum Duration: 145pulses

