

Product Specification

General

Batteries, in all their aspects, should be in accordance with IEC 60086-1 and IEC 60086-2

1. Model No. Alkaline LR14
2. Nominal voltage 1.5Volt
3. Open circuit voltage 1.5Volt +0.15/-0
4. Nominal capacity 7200mAh
(Test condition: 3.9Ω Load, continuous discharge, and end voltage 0.9V)
5. Average weight 68±4 g
6. Shelf life 60Month
7. Performance

Battery service life should meet the values as stated in Table I

Discharge					
Test condition			Average duration¹⁾ at 20°C		
Load	Daily period	End voltage	Initial	After 12 months storage ²⁾	After 36 months storage ²⁾
20Ω	4 h/d	0.9V	95h	87.8h	80.7h
3.9Ω	Continuous	0.9V	17h	15.6h	14.4h
6.8Ω	1 h/d	0.9V	32h	29.4	27.2h

- 1) Average service life will be calculated without the highest and the lowest of 9 samples.
- 2) Storage conditions: temperature 20±2°C and the Relative Humidity shall be 65±20%.

8. Heavy metal content

Mercury (Hg) content should be less than 1PPM
 Cadmium (Cd) content should be less than 5 PPM
 Lead (Pb) content should be less than 15 PPM

9. Quality assurance

DESCRIPTION	AQL
Battery dimensions	0.65%
Appearance	1.00%
Off load voltage	0.65%
On load voltage	1.00%
Service Output	Note 1
Leakage 6.1	0.65% (Note 2)
6.2	Note 3
6.3	Note 4

Note 1: Acceptance/rejection in accordance with IEC publication (1993) 86-1 Sub-clause 8.8.

Note 2: Leakage on arrival at warehouse is within two months after shipping.

Note 3: Sample size: n = 20 Judgment: Ac = 1, Re = 2

Note 4: Sample size: n = 20 Judgment: Ac = 0, Re = 2

10. Packaging

Packaging shall be a form agreed by both parties.

Precaution & Handling

- 1) Do not disassemble or short-circuit batteries.
- 2) Do not recharge batteries.
- 3) Do not dispose of batteries in fire.
- 4) Do not allow metal objects to contact the battery terminals.
- 5) Do not mix with used or other battery type (such as alkaline with carbon zinc).
- 6) Do not solder the batteries directly. If soldering or welding connection to the battery is required, consult our engineer for proper methods.
- 7) Do not over-discharge batteries. Force discharging batteries by external power source in a series may cause explosion.
- 8) To install or remove batteries, follow the equipment manufacturer's instructions.
- 9) Keep battery away from small children. If swallowed, consult a physician at once.
- 10) Remove batteries from device when it is not in use.

Storage

- 1) Store in cool, dry place before use.
- 2) Do not keep batteries at temperature of 45 or above.
- 3) Do not keep batteries at relative humidity of 75% or above.

Drawing 1: Dimensions of Battery (LR14/C Size)

