

# Alkaline Battery

## LR06/AA Size, LR03/AAA Size, PK20 **pro-ELEC**



### Overview

Batteries in all their aspects should be in accordance with IEC 60086-1 and IEC 60086-2, IEC 60086-5.

### Specifications

Battery Size	: LR03 / AAA; LR06 / AA
Battery Voltage	: 1.5V
Battery Capacity	: AAA: 1100mAh / AA: 2600mAh
Battery Terminal	: Raised Positive and Flat Negative
Battery Dimensions (Dia. × H)	: AAA: 10.5mm × 44.4mm / AA: 14.5mm × 50.4mm
Battery Weight	: AAA: 12 ± 0.5g / AA: 24 ± 1g
Battery Shelf Life	: 60 Months

### Performance

Battery service life should meet the values as stated in below table

#### Size AAA

Discharges					
Test Condition			Average Duration @ 20°C*		
Load	Daily Period	End Voltage	Initial	After 12 months Storage**	After 36 months Storage**
75Ω	4 h/d	0.9V	65 h	58.9 h	54.4 h
10Ω	1 h/d	0.9V	7.5 h	7.2 h	6.6 h
20Ω	Continuous	0.9V	16.5 h	14.4 h	13.3 h
5.1Ω	4 min/h – 8 h/d	0.9V	3.5 h	3.2 h	3 h
3.6Ω	15 sec/min	0.9V	560 Pulses	520 Pulses	475 Pulses

\* Average service life will be calculated without the highest and the lowest of 9 samples

\*\* Storage conditions: Temperature 20°C ±2°C & the Relative Humidity will be 65% ±20%

#### Size AA

Discharges					
Test Condition			Average Duration @ 20°C		
Load	Daily Period	End Voltage	Initial	After 12 months Storage	After 36 months Storage
43Ω	4 h/d	0.9V	80 h	73.6 h	68 h
10Ω	1 h/d	0.9V	18 h	16.6 h	15.3 h
10Ω	Continuous	0.9V	18.2 h	16.7 h	15.5 h
3.9Ω	1 h/d	0.9V	6.5 h	6 h	5.5 h
1.8Ω	15 sec/min	0.9V	550 Pulses	506 Pulses	468 Pulses

# Alkaline Battery

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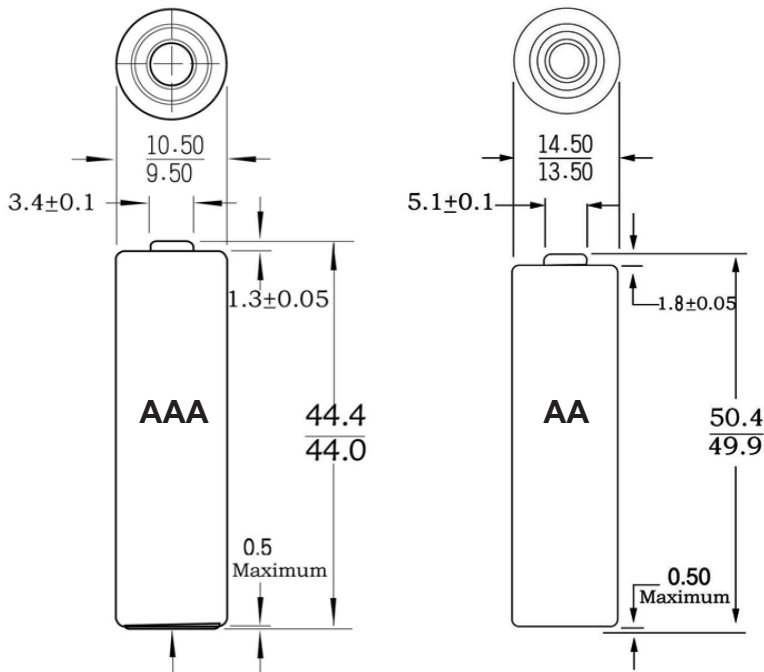


**Heavy Metal Content** : Mercury (Hg) content should be less than 1ppm  
 Cadmium (Cd) content should be less than 5ppm  
 Lead (Pb) content should be less than 15ppm

## Storage

- Store in cool, dry place before use
- Do not keep batteries at temperature of 45°C or above
- Do not keep batteries at relative humidity of 75% or above

## Diagram



Dimensions : Millimetres

## Part Number Table

Description	Part Number
Alkaline Battery, LR06/AA Size, LR03/AAA Size, PK20	PE000004

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