

PRODUCT SPECIFICATION

Longlife R6

REV. No.	REASON	CONTENTS	DATE	REMARK
0	Initial Release		2020-01-03	

Longlife R6

1. Description:

R6 IEC: R6P

JIS: UM3

ANSI: 15D

Common: AA

2. Chemical System:

Zinc Chloride-Zinc-Manganese Dioxide (Mercury Free)

3. Nominal Voltage: 1.5V

4. Nominal Weight: 13.0-15.0g

5. Hg Content: ≤ 1 ppm

6. Battery capacity: 900mAh(43 Ω , 4h/D , 0.9V Cut Off, $20 \pm 2^\circ\text{C}$, $(55 \pm 20)\%$ R.H)

7. Storage Characteristics:

After 6 Months Storage, 90%Capacitance of Fresh Cells

After 12 Months Storage, 85% Capacitance of Fresh Cells

8. Electrical Characteristics:

(Test environment: $20 \pm 2^\circ\text{C}$, $(55 \pm 20)\%$ R.H, Load Resistance:**3.9ohms**, Measure Time:**0.3s**)

	OCV(V)	CCV(V)	Short-circuit Current (A)
Initial	1.62-1.730	≥ 1.40	≥ 3.5
After 12 Months	≥ 1.55	≥ 1.35	≥ 2.5

9. Specifications: ($20 \pm 2^\circ\text{C}$, $(55 \pm 20)\%$ R.H)

Load	Discharge Mode	End Voltage	Initial	After 12 Months Storage	Application
3.9 Ω	1h/d	0.8V	≥ 140 min	≥ 120 min	Motor, toy
1.8 Ω	15s/m,24h/d	0.9V	≥ 160 pulses	≥ 136 pulses	radio
10 Ω	1h/d	0.9V	≥ 380 min	≥ 330 min	Pulse test
43 Ω	4h/d	0.9V	≥ 32 h	≥ 27.2 h	Tape recorder
24 Ω	15s/m,24h/d	1.0V	≥ 17 h	≥ 14.5 h	Remote control
250mA	1h/d	0.9V	≥ 2 h	≥ 1.7 h	CD/Electronic games
100mA	1h/d	0.9V	≥ 8 h	≥ 6.8 h	Digital audio
50mA	1h/8h,24h/d	1.0V	≥ 16 h	≥ 13.6 h	Remote

					control/Clock
3.9Ω	4m/h,8h/d	0.9V	≥140min	≥120min	Toy

10. Safety test

Test item	Test method	Test pcs	Requirements
Partial use	See IEC60086-5 6.2.2.1	5	No leakage No fire No explosion
Transportation shock	See IEC60086-5 6.2.2.2	5	No leakage No fire No explosion
Transportation vibration	See IEC60086-5 6.2.2.3	5	No leakage No fire No explosion
Climatic	See IEC60086-5 6.2.2.4	5	No fire No explosion
Incorrect installation	See IEC60086-5 6.3.2.1	20	No fire No explosion
External short circuit	See IEC60086-5 6.3.2.2	5	No fire No explosion
Over-discharge	See IEC60086-5 6.3.2.3	20	No fire No explosion
Free fall	See IEC60086-5 6.3.2.4	5	No fire No explosion

11. Expiry Period: 3 Years

12. Battery Dimension (Unit: mm)

/	min	max
Φ	13.7	14.5
A	49.5	50.5
C	7.0	--
F	--	5.5
G	1.0	--

