TECHNICAL SPECIFICATION

1. Scope:

1.1 Designations
IEC & GB: 6LR61
JIS: 6AM6
ANSI: 1604A
OTHER: 9V
1.2 Reference Document
IEC 60086-1 :2021 --- Primary Batteries - Part 1: General
IEC 60086-2 :2021--- Primary Batteries - Part 2: Physical and electrical specification
GB8897.1:2021 …Primary Batteries-Part1:General
GB8897.2-2021 …Primary Batteries-Part2:Physical and Electrical Specification

2. Chemical System:

Alkaline Zinc-Manganese Dioxide (KOH Electrolyte): (-) Zn | KOH | MnO2(+)
0% Mercurio (Hg) y 0% Cadmio (Cd).

3. Nominal Voltage: 9.0 V

4. Average Weight: approximate 44.5 g

5. Nominal Capacity:

Designed for alkaline applications in compliance with IEC standards

6. Electrical characteristics:

Conditions: 270Ω±0.5% load resistance, measuring time 0.3 seconds, temperature at 20±2℃.

Testing time	Open Circuit Voltage (V)	On-Load Voltage (V)	Acceptance Level
Delivery within30 days	≥9.6	≥9.0	MIL-STD105E, Ⅱ, AQL=0.4
After 12months	≥9.5	≥8.5	

7. *Resistance to leakage*

Item	Condition	Period	Characteristics	Acceptance Level
Over-discharge leakage test	180Ω continuous discharge at temp. 20±2℃, 60±15%RH	Uninterrupted discharge for 3.6V	There is no visible leakage.	**N=8 Ac=0 Re=1**
Temperature & Humidity test	At temp.70±2℃ Relative Humidity: 90± 5%RH	10 days		**N=8 Ac=0 Re=1**

8. Caution for use



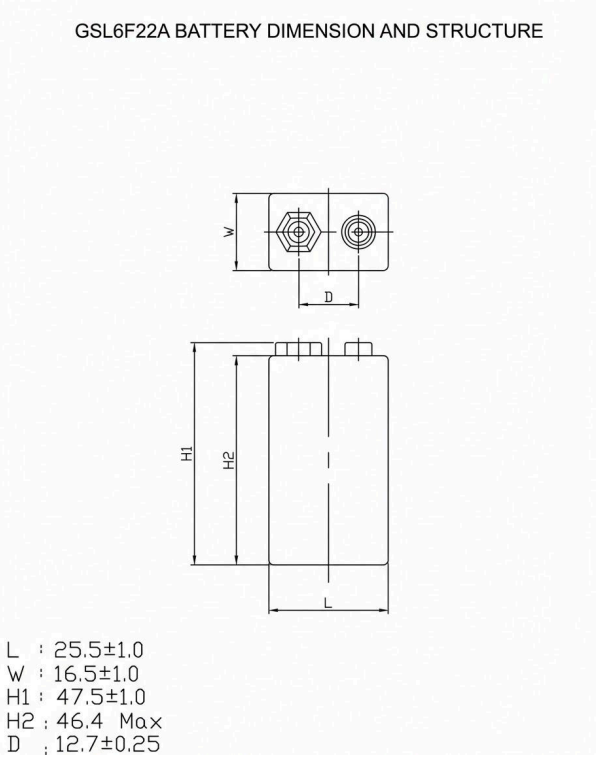
9. Marks

The following marks will be printed or stamped on the batteries's body:
(1)Model：6LR61
(2)Registered Trademark：POWERCELL
(3)Nominal Voltage：9.0V
(4)Battery Poloidal："+"and"-"
(5)Warning words：Do not recharge or dispose of in fire, battery may explode or leak.
(6)Manufactured Date or Exp date

10. Storage life

Under room temp and suitable environment, its shelf time is 10 years.

11. Battery dimension



	Min	Max
H1	46.5	48.5
H2	45.0	
L	24.5	26.5
W	15.5	17.5
D	12.45	12.95

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Canales oficiales Web: www.powercell.pe | Email: ventas@powercell.pe

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