

Specification of 4R25- Spring Terminals

- 1. Designation:** 4R25
- 2. Kind of products specified:** Zinc-Chloride Lantern battery
- 3. Nominal Voltage:** 6V
- 4. Dimensions:** 67.0 x 67.0 x 115.0mm (Max)
- 5. Approximate Weight:** 470g
- 6. Jacket** Plastic Shell (Black or Yellow)
- 7. Characteristic:** Characteristic of the battery are shown in the following:

7.1 Output Service:

Load Resistance	15.6 Ω	8.2 Ω	9.1 Ω	110 Ω
Discharge Method	Continuously	30mins/d	30mins/d,8h/d	12h/d
End-Point Voltage	3.6V	3.6V	3.6V	3.6V
Minimum Duration	>620mins	>330mins	>350mins	>120hrs

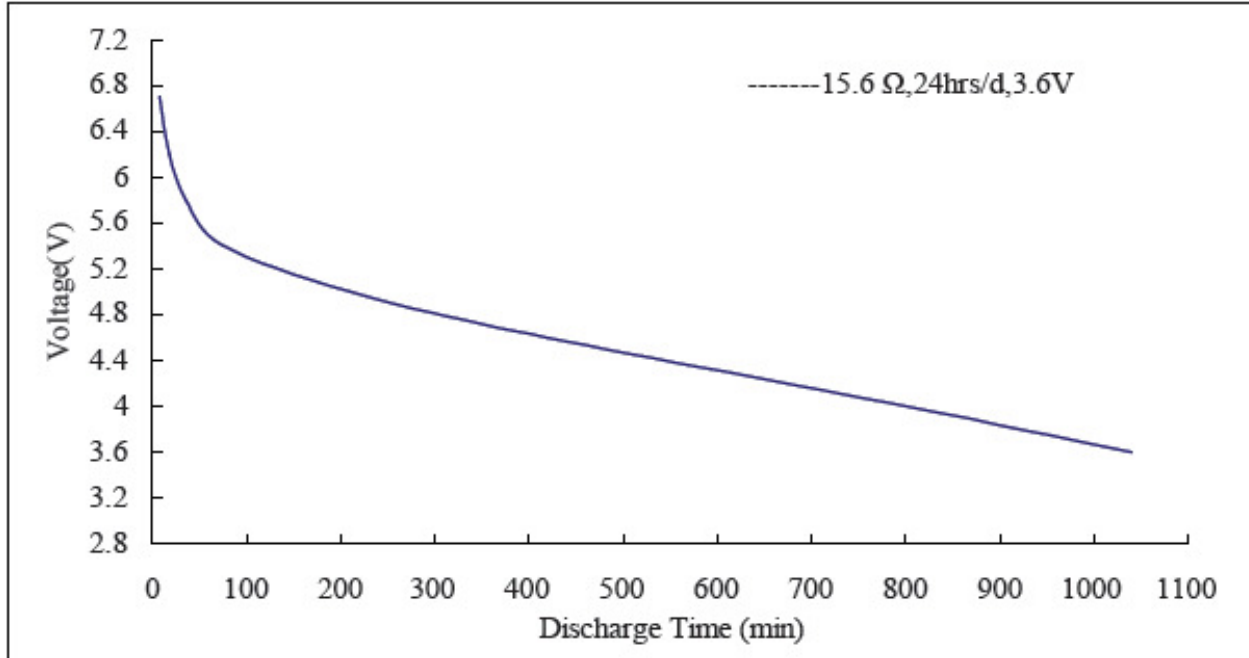
7.2 Material Component:

Material Components (Specific Chemical identity, Common Name(s)	AEGIH TLV
1). Manganese Dioxide	33.30%
2). Carbon Black	12.00%
3). Tin Plated Steel	0.30%
4). Brass	0.48%
5). Plastic	11.03%
6). Zinc-Ammonium & Chloride Solution	24.20%
7). Paper & Wax	1.14%
8). Lead	< 0.005%
9). Cadmium	< 10PPM
10). Mercury	< 1PPM

- 8. Packing:** The battery shall be packed so as not likely to be damaged during Transportation and storage

- 9. Shelf Life:** Within 24 months after delivery

10. Discharge Curve:



11. Guarantee:

the leakage must be less than 0.05%, or lower

12. Electrolyte-Leakage resistance:

After testing by Table 3, shall be no leakage and deformation by visual inspection.

Table 3

ITEM	CONDITION		
	Temperature	Relative Humidity	Resistance
Over discharge electrolyte leakage	19°C TO 22°C	55% to 75%	10Ω(48Hours)
High temperature electrolyte leak	43°C TO 47°C	70% or less	--- (30Days)

13. Mercury content

Test condition	Standard	Test results	Judgment
Atomic absorption spectrophotometric meth.	$\leq 1 \times 10^{-4}\%$	$\leq 3 \times 10^{-6}\%$	qualified