

## Alkaline Zinc and Manganese battery Zn-MnO<sub>2</sub>

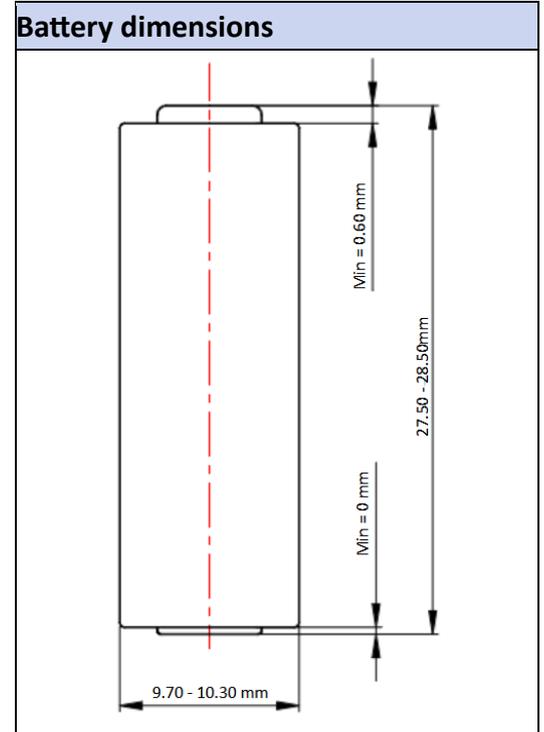
Primary characteristics		
Parameter	Value	Unit
Nominal voltage	12	V
Rated capacity	58	mAh

### Scope

The purpose of this product specification is to provide technical information for the Alkaline Zinc and Manganese Zn-MnO<sub>2</sub> battery .

The test shall be conducted in strict accordance with the method specified in this specification.

If you have any objection to the test items or test methods, please contact Akyga Battery.



### Specification table

Parameter	Value	Unit
Battery model	23A	
Nominal voltage	12	V
Nominal capacity	58	mAh
Operating temperature	-20/+60	°C
Average weight	8	g

#### Notes:

Can be stored for 1 year at room temperature and suitable environment (Temperature 20±2°C, Humidity 55%±20%).

After one year of storage period, the battery can retain more than 90% of the capacity.

Storage life – 5 years

#### Electrical Performance:

Testing Conditions: 20kΩ and 1kΩ continuous discharge at temperature: 20°C ±2°C

#### Identification

The contents printed on the label:

Model: 23A

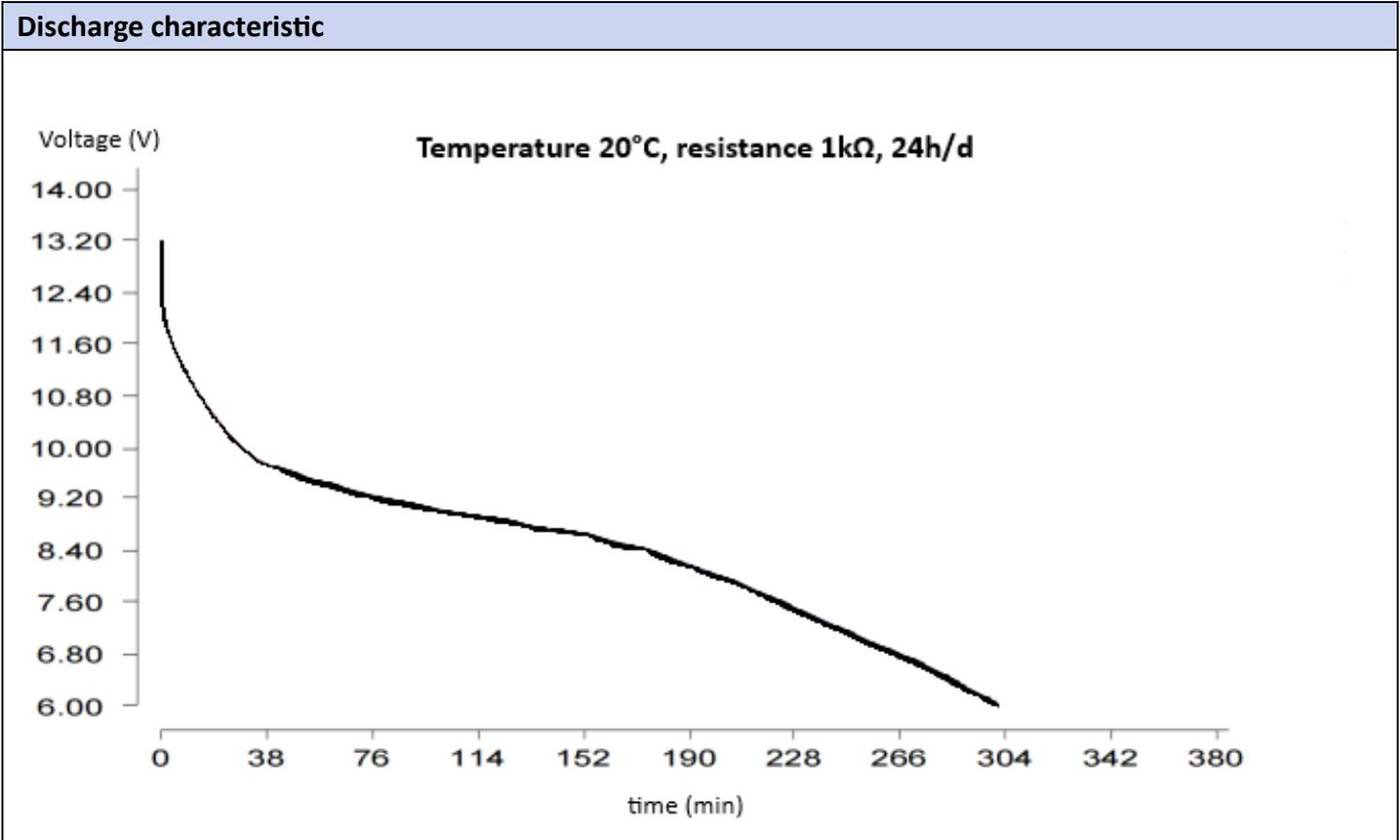
Registered Trademark: Akyga Battery

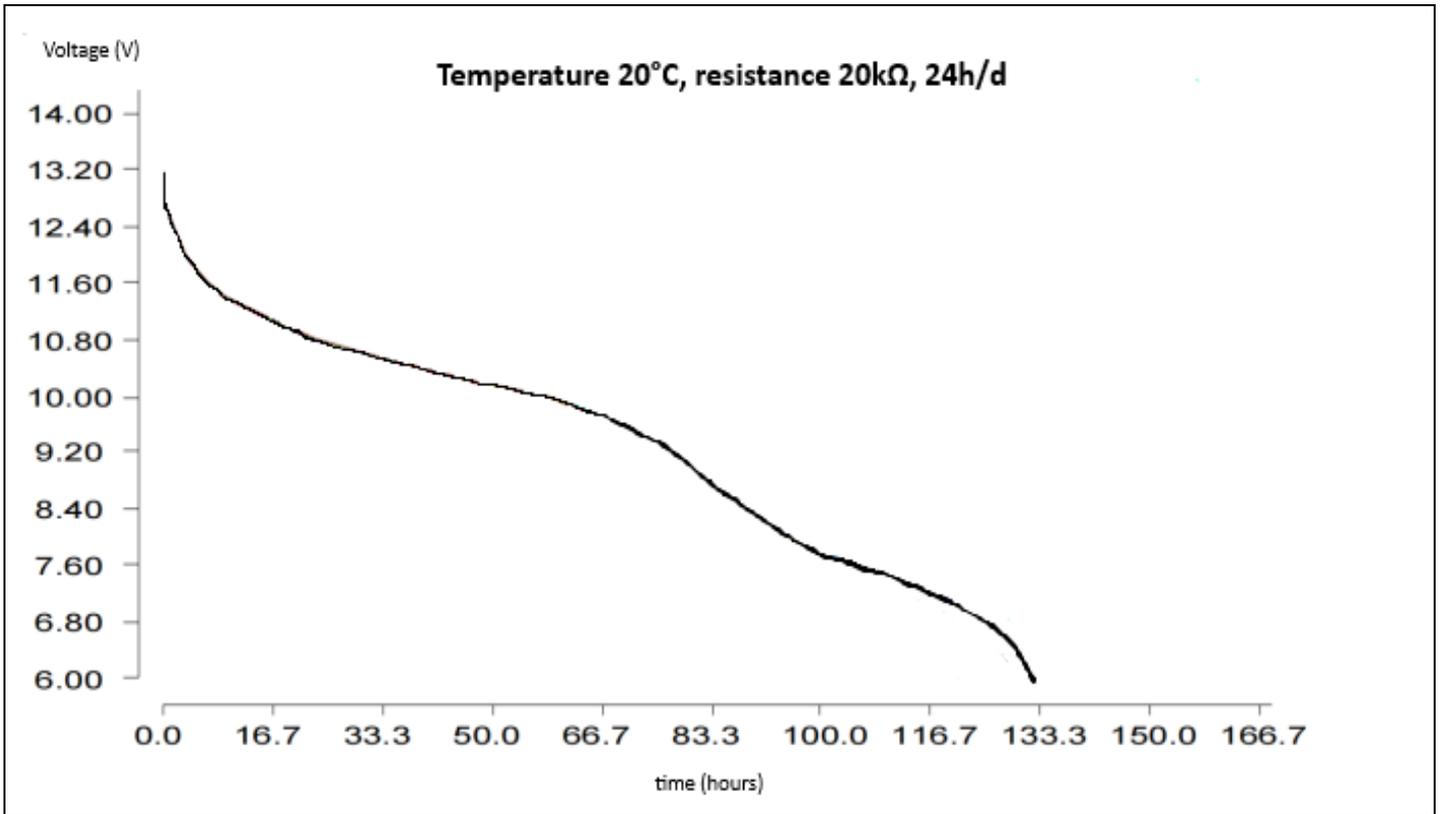
Nominal Voltage: 12V

Battery Poloidal: “+” and “-“

Warning words: Install and use correctly. Do not recharge, disassemble, heat and short-circuit

Discharge performance				
Discharge conditions			Minimum average duration	
Resistance	Daily period	End Point Voltage	Initial	After 12 months
20kΩ	24h	6.0V	115h	103.5h
1kΩ	24h	6.0V	220min	175min
1kΩ	1s/4s, 24h	6.0V	18000 pulses	17000 pulses





### Important notes

The metal shell adopts horse skin, environmental protection color printing production process or labeling production process. The spring sheet is made of stainless steel with a wavy shape at four corners to ensure battery contact and combined battery safety.

Environmental friendly black PET material to ensure that the battery is moisture-proof and other external radiation.

Both the positive and negative electrode caps are made of iron material.

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