

Alkaline Battery Zn-MnO₂

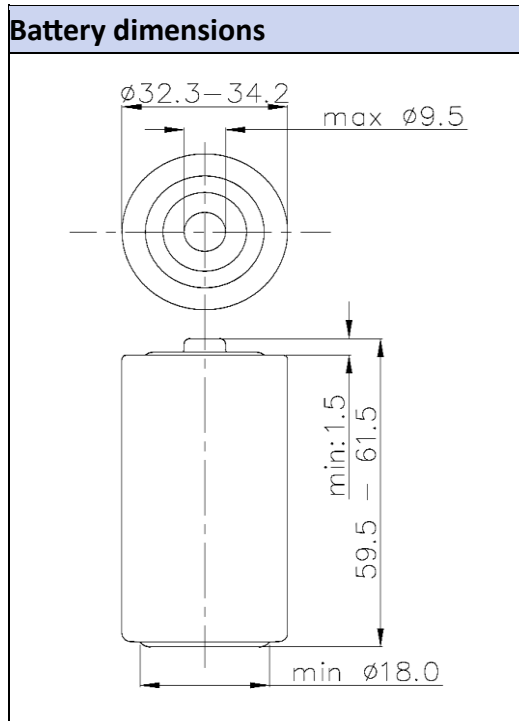
Primary characteristics		
Parameter	Value	Unit
Nominal voltage	1.5	V
Rated capacity	12000	mAh

Scope

The purpose of this product specification is to provide technical information for the alkaline Zn-MnO₂ battery LR20.

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	LR20		
Nominal voltage	1.5	V	
Nominal capacity	12000	mAh	
Electrochemical system	Zinc Powder, KOH, Electrolyte Manganese Dioxide No added mercury, cadmium and lead		
Operating temperature	-20/+60	°C	
Average weight	138	g	
Notes: Nominal capacity test conditions: 10 Ω resistive load 4h/d; end voltage: 0.9V; operating temperature: 20 \pm 2°C			
Electrical Performance: Testing Conditions: Load resistance (\pm 0.5%) 3.9 Ω Testing time : 0.3 seconds Temperature: 20 \pm 2°C)			
	OVC [V]	Load voltage [V]	Accepted Levels
New battery (within 30 days of delivery)	≥ 1.58	≥ 1.45	MIL-STD105E, II, AQL=0.4
Storage after 12 months under the normal temperature	≥ 1.56	≥ 1.40	

Identification

The contents printed on the label:

Model: LR20

Registered Trademark: Akyga Battery

Nominal Voltage: 1.5V

Battery Poloidal: “+” and “-”

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

Discharge Performance

	Discharge conditions			Minimum Average Duration	
	Load	Daily period	End voltage	Super degree	Ultra degree
IEC ITEMS	2.2 Ω	1h/d	0.8V	23.0h	24.0h
	2.2 Ω	4min/15min , 8h/d	0.9V	22.0h	23.0h
	600mA	2h/d	0.9V	15.0h	16.5h
	3.9 Ω	24h/d	0.9V	36.0h	38.0h

Testing Conditions: Temperature: 20°C ±2°C

Relative Humidity: RH55+20/-40% RH

Important notes

Keep away from source of fire and/or heat.

Do not recharge the alkaline batteries. May leak or explode if charged.

Do not disassemble battery and/or battery pack.

Remove batteries from device when it is not in use. Over discharge may destroy the appliance

Do not connect the positive and negative pole directly using conductive metal; avoid short circuit.

Do not put the battery into water or damp it.

Do not cut the battery.

Do not strike or needle the battery.

Charge the battery using specified chargers.

Do not solder the battery directly.

Observe the correct polarity (+/-).

Do not use the battery in un-specified application.

Do not mix the battery in usage with other types of battery.

Read the instruction manual carefully before use.

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