

# ZINC AIR - ALKALINE

## MC-ZA500-12

### 12V 500Ah

Alkaline batteries are based on a zinc-oxygen electrochemical couple. They use atmospheric oxygen (cathode) to produce depolarization. The anode is the large surface area zinc powder dispersed in a potassium hydroxide solution.



#### DIMENSIONS (mm)

Height	125
Width	221.6
Length	240

#### SPECIFICATIONS

System	ZINC / KOH / AIR with 0 % Hg, 0 % Cd
Nominal voltage	12 V
Average weight	11 kg
Case material	Polystyrene
Date code	Each battery carries an expire date code for 12 months (battery manufactured in March 2021 carries an expire date 03-22 for March 2022)
Shelf life	12 months
Operating temperatures	-20 °C to + 45 °C
Applications	All electronic devices.
Precautions for safe handling	Avoid mechanical or electrical abuse, do not short-circuiting, do not install incorrectly (respect the polarity + and -).

#### PERFORMANCE SPECIFICATIONS

Minimum specifications at 20 °C:

Discharge conditions:		End-point voltage 8 V			Capacity and Energy after 12 months on shelves
Daily period	El. current	Service life	Capacity	Energy	
24 h	130 mA	3615 h	470 Ah	5170 Wh	At least 80% of here declared values

Average specifications at 20°C:

Discharge conditions:		End-point voltage 8 V			Capacity and Energy after 12 months on shelves
Daily period	El. current	Service life	Capacity	Energy	
24 h	130 mA	3846 h	500 Ah	5500 Wh	At least 80% of here declared values

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### AVERAGE DISCHARGE GRAPH:

