

**battery type:** Alkaline Manganese Dioxide  
**battery size:** A23  
**chemical system:** Zn / KOH-H<sub>2</sub>O / MnO<sub>2</sub>

**Conditions**

**nominal voltage:** 12 V  
**open circuit voltage:** 12.3...12.9 V new battery  
 12.2...12.9 V after 1 year storage at 20 °C

all measurements at 22 ± 2°C ambient

**capacity**  
**rated:** 54 mAh discharge under 20kΩ load; 24hours/day  
 End Voltage (EV): 7.2V

**minimum:** 50 mAh discharge under 20kΩ load; 24hours/day  
 End Voltage (EV): 7.2V

**Standard discharge time**

**nominal:** 110 h at 20kΩ load new battery  
 EV: 7.2V

**minimum:** 100 h for IQC measurement:  
 90 h tested within 30 days after delivery  
 after 12 months storage at room temperature

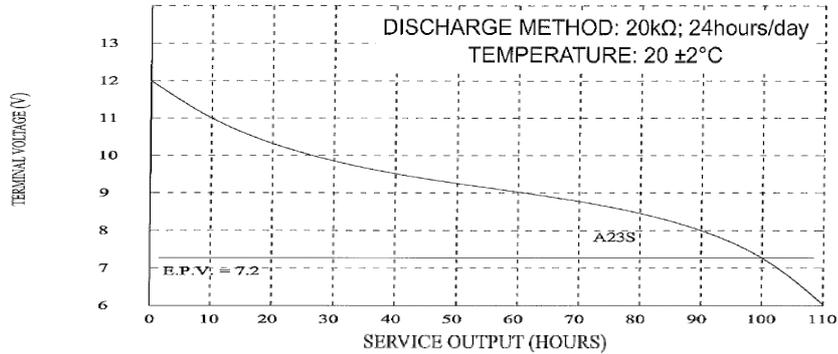
**Discharge currents**

**standard:** 0.06 mA

**max. recommended current**  
**under continuous discharge:** 1 mA

**max. recommended current**  
**under pulse discharge:** 15 mA

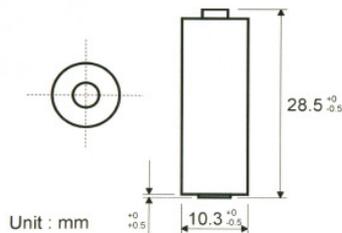
**Discharge diagrams:**



**shelf life:** 12 months under proper storage conditions (ta: ≤ 22 °C; RH: 60 ± 15%)  
 90 % of the capacity will be maintained after 12 months storage

**operating temperature**  
**range:** - 20...60 °C

**mechanical specifications:**



blister card  
 dimensions:  
 50 x 70mm  
 weight:  
 9.3g (incl. battery)

**nominal weight:** 7.9 g

	<b>ANSMANN Specifications for model:</b>	<b>A23 Alkaline Battery blister package</b>
	data sheet no. / part no.	5015182
	Version no.	
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