

**battery type:** Alkaline Manganese Dioxide (mercury free)  
**battery size:** A27; 27A; MN27; L828  
**chemical system:** Zn / KOH-H<sub>2</sub>O / MnO<sub>2</sub>

**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

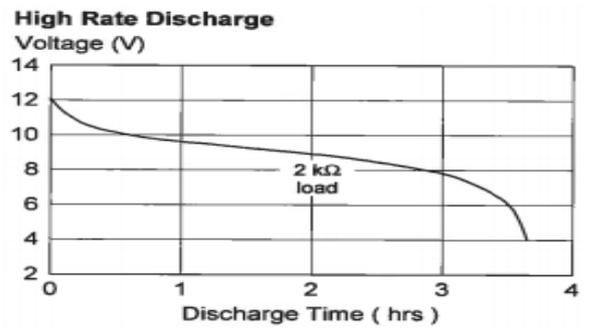
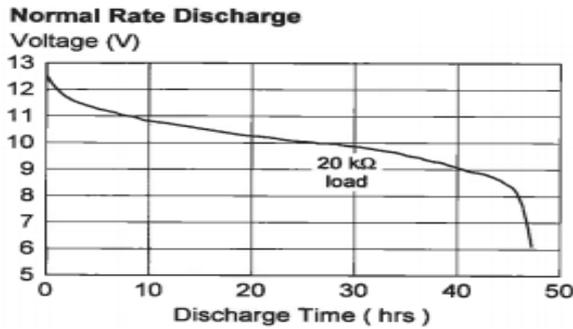
**Conditions**

**capacity**  
 rated: 20 mAh discharge under 20kΩ load; 24hours/day  
 End Voltage (EV): 6.0V  
 minimum: 18 mAh discharge under 20kΩ load; 24hours/day  
 End Voltage (EV): 6.0V

**Standard discharge time**  
 nominal: 50 h at 20kΩ load new battery  
 EV: 6.0V  
 MAD:  
 (minimum average duration) 45 h at 20kΩ load after 12 months storage at 20°C  
 EV: 6.0V  
 47 h at 20kΩ load for IQC measurement  
 EV: 6.0V (tested within 30 days after delivery)

**Discharge currents**  
 standard: 0.05 mA  
 max. recommended current under continuous discharge: 0.5 mA  
 max. recommended current under pulse discharge: 5 mA

**Discharge diagrams:**

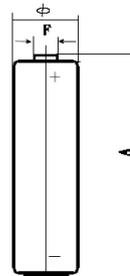


**shelf life:** 3 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)  
 ≥90 % remaining capacity after 12 months storage

**operating temperature:** - 20...60 °C  
**storage temperature:** 5...25 °C (recommended)

**mechanical specifications:**  
 Dimensions(mm):

/	min	max
Φ	7.4	8.0
A	27.0	28.2
F	3.2	3.8



**nominal weight:** 4.8 g

	<b>ANSMANN Specifications for model:</b>	<b>Alkaline Battery "Hg free"</b>
		<b>A27 (27A, L828)</b>
	data sheet no. / part no.	
	s.n.	701381
	author / date	TG / 09.12.2019