

**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**

all measurements at 22 ± 2°C ambient

**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)

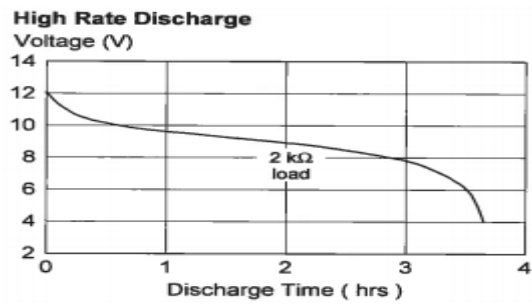
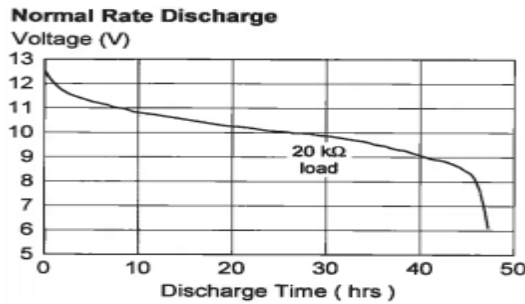
**Standard discharge time**

nominal: 50 h (at 20kΩ load; EV: 6.0V; new battery)  
 MAD: 45 h (at 20kΩ load; EV: 6.0V; after 12 months storage at 20°C)  
 (minimum average duration) 47 h (at 20kΩ load; EV: 6.0V; for IQC measurement (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:**



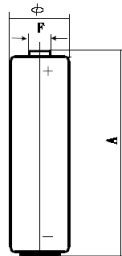
**shelf life:** 3 years (under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%))  
 ≥90 % (remaining capacity after 12 months storage)

**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



blister card dimensions: 56 x 71.5mm  
 weight: 6.6g (incl. battery)

	<b>ANSMANN Specifications for model:</b>	<b>A27 (27A, L828) Alkaline Battery "Hg free" blister package</b>
	data sheet no. / part no.	1516-0001
	supplier no.	703385
	author / date	TG / 08.03.2016