

**battery type:** Alkaline Manganese (Mercury free)  
**battery size:** IEC: LR6; JIS: AM-3; ANSI: AA; MN1500; Mignon  
**chemical system:** Zn / KOH-H<sub>2</sub>O / MnO<sub>2</sub>

**Conditions**

**nominal voltage:** 1.5 V  
**open circuit voltage:** 1.57...1.62 V new battery  
 1.55...1.62 V after 1 year storage at 20°C

**capacity rated:** 2900 mAh all measurements at 20°C ambient  
 discharge at 10mA load; 24hours/day  
 End Voltage (EV): 0.8V  
 2700 mAh discharge at 75ohms load; 24hours/day  
 End Voltage (EV): 0.8V

**minimum:** 2550 mAh discharge at 35mA constant current  
 End Voltage (EV): 0.8V  
 800 mAh discharge at 1000mA constant current  
 End Voltage (EV): 0.8V

**typical service output (new batteries)**

≥470 cycles discharge at 1000mA; EV: 0.9V  
 discharge 10s/m 1h/d  
 ≥ 88 h discharge at 43Ω resistive load; EV: 0.9V  
 discharge 4h/d  
 ≥ 46 min discharge at 1000mA constant current; EV: 0.9V  
 discharge 24h/d  
 ≥ 19 h discharge at 10Ω resistive load; EV: 0.9V  
 discharge 24h/d  
 ≥ 7.3 h discharge at 250mA; EV: 0.9V  
 discharge 1h/d

**internal resistance:** ≤ 0.2 Ω at 1kHz, sine wave measurement  
 according to IEC 896-2

**shelf life:** 7 years under proper storage conditions

**leakage resistance**

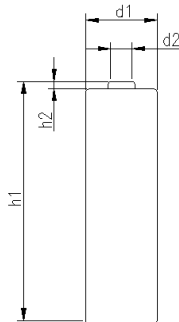
over discharge: no leakage 10ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%  
 high temperature: no leakage store 20days at ta: 60°C; RH:90±5%

**ambient temperature range:** - 10...50 °C


recommended storage conditions: 5...25 °C ambient temperature  
 45...75 % rel. humidity

**mechanical specifications**

cell dimensions  
 diameter d1: 14.4 - 0.5 mm  
 diameter d2: 5.4 - 0.5 mm  
 height h1: 50.4 - 0.5 mm  
 height h2: 1.7 - 0.5 mm  
 weight: 23 ± 2 g



carton package dimensions: 205 x 85 x 16 mm  
 weight: 250 ± 15 g

	<b>ANSMANN Specifications for model:</b>	<b>Ansmann X-Power Alkaline battery AA - size 10pcs blister package</b>
	data sheet no. / part no.	1512-0017
	supplier no.	702757
	author / date	TG / 24.05.2013