

battery type: Alkaline Manganese (Mercury free)
battery size: IEC: LR6; JIS: AM-3; ANSI: AA; MN1500; Mignon
chemical system: Zn / KOH-H₂O / MnO₂

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%)

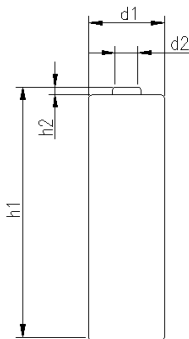
ambient temperature range: - 10...50 °C


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

blister card dimensions: 120 x 85 mm
 weight (incl. batteries): 54 ± 5 g



	ANSMANN Specifications for model:	Ansmann XPower Alkaline battery AA - size 4pcs blister
	data sheet no. / part no.	5015663
	Version no.	
	author / date	Gramlich / 19.07.2010

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice