

battery type: Alkaline Manganese (Mercury free)
battery size: IEC: LR03; JIS: AM-4; ANSI: AAA; MN2400; Micro
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: 1300 mAh all measurements at 20 °C ambient
 discharge at 10mA load; 24h/d
 End Voltage (EV): 0.8V
 1200 mAh discharge at 75Ω resistive load; 24h/d
 End Voltage (EV): 0.8V
 minimum: 1150 mAh discharge at 20mA constant current
 End Voltage (EV): 0.8V
 400 mAh discharge at 500mA constant current
 End Voltage (EV): 0.8V

typical service output (new batteries)

≥ 280 cycles discharge at 600mA constant current
 discharge 10s/m 1h/d
 ≥ 220 min discharge at 5.1Ω resistive load; EV: 0.9V
 discharge 4min/h 8h/d
 ≥ 480 min discharge at 10Ω resistive load; EV: 0.9V
 discharge 1h/d
 ≥ 17.5 h discharge at 20Ω resistive load; EV: 0.9V
 discharge 24h/d
 ≥ 70 h discharge at 75Ω resistive load; EV: 0.9V
 discharge 4h/d

internal resistance: ≤ 0.3 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 20ohms 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:

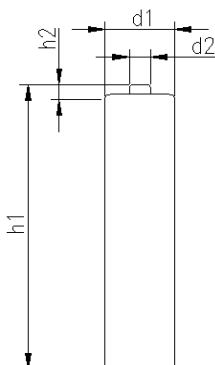
5...25 °C ambient temperature
 45...75 % rel. humidity

mechanical specifications

cell dimensions

diameter d1: 10.4 - 0.5 mm
 diameter d2: 3.6 - 0.4 mm
 height h1: 44.4 - 0.6 mm
 height h2: 1.2 - 0.35 mm
 weight: 12 ± 1.5 g

blister card dimensions: 120 x 85 mm
 weight (incl. batteries): 56 ± 4 g



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	ANSMANN Specifications for model:	Ansmann XPower Alkaline battery
	data sheet no. / part no.	AAA - size 4pcs blister
	Version no.	5015653
	author / date	Gramlich / 19.07.2010

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