

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: 2700 mAh all measurements at 20°C ambient
 discharge at 10mA load; 24hours/day
 End Voltage (EV): 0.8V
 2400 mAh discharge at 75ohms load; 24hours/day
 End Voltage (EV): 0.8V
 minimum: 2200 mAh discharge at 35mA constant current
 End Voltage (EV): 0.8V
 700 mAh discharge at 1000mA constant current
 End Voltage (EV): 0.8V

typical service output (new batteries)

≥ 330 cycles discharge at 1000mA; EV: 0.9V
 discharge 10s/m 1h/d
 ≥ 79 h load resistor: 43ohms; EV: 0.9V
 discharge 4h/d
 ≥ 38 min discharge at 1000mA; EV: 0.9V
 discharge 24h/d
 ≥ 17.5 h load resistor: 10ohms; EV: 0.9V
 discharge 24h/d
 ≥ 6.2 h discharge at 250mA; EV: 0.9V
 discharge 1h/d

internal resistance: ≤ 0.25 Ω at 1kHz, sine wave measurement
 according to IEC 896-2

shelf life: 5 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

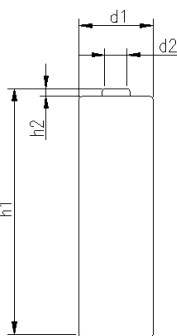
mechanical specifications

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

package

dimensions: 74 x 60 x 53 mm
 weight (incl. batteries): 465 ± 10 g



43

	ANSMANN Specifications for model:	Ansmann Industrial Alkaline battery
	data sheet no. / part no.	AA - size 20pcs box
	supplier no.	1502-0002
	author / date	701381 Gramlich / 22.02.2012

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