

battery type: Alkaline Manganese (Mercury free)
battery size: IEC: LR03; JIS: AM-4; ANSI: 24A; MN2400; AAA; Micro
chemical system: Zn / KOH-H₂O / MnO₂

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

Conditions

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: 18 h at 20ohms constant resistance discharge
 End Voltage (EV): 0.9V
 37 min at 500mA constant current discharge
 End Voltage (EV): 0.9V

typical service output

Load	20Ω	600mA	600mA	5.1Ω	10Ω	24Ω	75Ω	
Test mode	24h/d	24h/d	10s/m, 1h/d	4m/h,8h/d	1h/d	15s/m,8h/d	4h/d	
end voltage	0.9V	0.9V	0.9V	0.9V	0.9V	1.0v	0.9V	
Initial	M.A.D	18.0 h	37.0 m	380 cycles	225.0m	8.2h	19.5 h	71.0 h
	Normal	19.0 h	45.0 m	440 cycles	245.0m	8.7h	21.0 h	74.0 h
After 1 year	M.A.D	17.0 h	30.0 m	340 cycles	210.0 m	7.9h	19.0 h	69.0 h
	Normal	18.0 h	38.0 m	380 cycles	235.0 m	8.4h	20.5 h	73.0 h

m: minute h: hour d: day

internal resistance: ≤ 0.3 Ω at 1kHz, sine wave measurement
 (new battery) according to IEC 896-2

shelf life: 7 years under proper storage conditions

leakage resistance

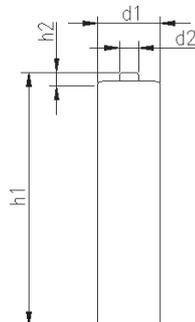
over discharge: no leakage 20ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%
 high temperature: no leakage store 20days at ta: 60°C; RH:90±5%

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



	ANSMANN Specifications for model:	Premium Alkaline Battery AAA - size
	data sheet no. / part no.	
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