

battery type:
battery size:
chemical system:

Alkaline Manganese (Mercury free)
 IEC: LR14; JIS: AM-2; ANSI: C; MN1400; Baby
 Zn / KOH-H₂O / MnO₂



<https://www.mega-piles.com/>

nominal voltage: 1.5 V
open circuit voltage: 1.57...1.62 V
 1.55...1.62 V

Conditions
 new battery
 after 1 year storage at 20°C

capacity
 rated:
 7500 mAh
 7000 mAh
 minimum:
 6100 mAh
 2300 mAh

all measurements at 20°C ambient
 discharge at 25mA load; 24h/day
 End Voltage (EV): 0.8V
 discharge at 20ohms load; 24h/day
 End Voltage (EV): 0.9V
 discharge at 75mA constant current
 End Voltage (EV): 0.8V
 discharge at 1000mA constant current
 End Voltage (EV): 0.8V

typical service output (new batteries)

≥ 18 h discharge at 3.9Ω resistive load; EV: 0.9V
 discharge 4min/h 8h/d
 ≥ 19 h discharge at 3.9Ω resistive load; EV: 0.8V
 discharge 1h/d
 ≥ 10.5 h discharge at 400mA constant current
 discharge 2h/d
 ≥ 16.5 h discharge at 3.9Ω resistive load; EV: 0.9V
 discharge 24h/d
 ≥ 118 h discharge at 20Ω resistive load; EV: 0.9V
 discharge 4h/d

internal resistance: ≤ 0.15 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
 high temperature: no leakage

3.9ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%
 store 20days at ta: 60°C; RH:90±5%

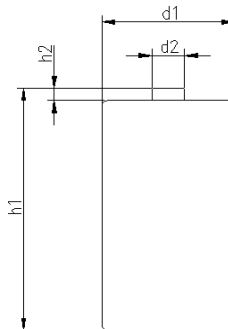
ambient temperature range: - 10...50 °C

recommended storage conditions:
 5...25 °C
 45...75 %

ambient temperature
 rel. humidity

mechanical specifications

cell dimensions
 diameter d1: 26.0 - 1.0 mm
 diameter d2: 7.0 - 1.0 mm
 height h1: 50.0 - 1.0 mm
 height h2: 2.0 - 0.4 mm
 weight: 68 ± 3 g
 blister card dimensions: 120 x 85 mm
 weight (incl. batteries): 144 ± 10 g



	ANSMANN Specifications for model: Ansmann XPower Alkaline battery C - size 2pcs blister
	data sheet no. / part no. 5015623
	supplier no. 701381
	author / date TG / 07.02.2018