

**battery type:** Alkaline Manganese (Mercury free)  
**battery size:** IEC: LR03; JIS: AM-4; ANSI: AAA; MN2400; Micro  
**chemical system:** Zn / KOH-H<sub>2</sub>O / MnO<sub>2</sub>

#### 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%

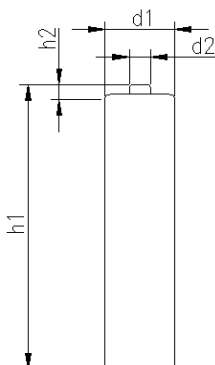
**ambient temperature range:** - 10...50 °C

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

shrink package  
 dimensions: 21 x 44.5 mm  
 weight: 25 g



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|-------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------|
|  | <b>ANSMANN Specifications for model:</b> | <b>Ansmann XPower Alkaline battery<br/>AAA - size 2pcs shrink package</b> |
|                                                                                     | data sheet no. / part no.                | 5015671                                                                   |
|                                                                                     | Version no.                              |                                                                           |
|                                                                                     | author / date                            | Gramlich / 21.07.2010                                                     |

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