| | | |
|---|---|---|
| **battery type:** | | Alkaline Manganese (Mercury free) |
| **battery size:** | | IEC: LR6; JIS: AM-3; ANSI: AA; MN1500; Mignon |
| **chemical system:** | | Zn / KOH-$H_2O$ / $MnO_2$ |

## 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℃ |
| **capacity** | | all measurements at 20℃ ambient |
| rated: | 2900 mAh | discharge at 10mA load; 24hours/day<br>End Voltage (EV): 0.8V |
| | 2700 mAh | discharge at 75ohms load; 24hours/day<br>End Voltage (EV): 0.8V |
| minimum: | 2550 mAh | discharge at 35mA constant current<br>End Voltage (EV): 0.8V |
| | 800 mAh | discharge at 1000mA constant current<br>End Voltage (EV): 0.8V |
| **typical service output (new batteries)** | | |
| | ≥470 cycles | discharge at 1000mA; EV: 0.9V<br>discharge 10s/m 1h/d |
| | ≥ 88 h | discharge at 43Ω resistive load; EV: 0.9V<br>discharge 4h/d |
| | ≥ 46 min | discharge at 1000mA constant current; EV: 0.9V<br>discharge 24h/d |
| | ≥ 19 h | discharge at 10Ω resistive load; EV: 0.9V<br>discharge 24h/d |
| | ≥ 7.3 h | discharge at 250mA; EV: 0.9V<br>discharge 1h/d |
| **internal resistance:** | ≤ 0.2 Ω | at 1kHz, sine wave measurement<br>according to IEC 896-2 |
| **shelf life:** | 7 years | under proper storage conditions |
| **leakage resistance** | | |
| over discharge: | no leakage | 10ohms continuous discharge for 48h; ta: 20℃; RH: 60±15% |
| high temperature: | no leakage | store 20days at ta: 60℃; RH:90±5% |
| **ambient temperature range:** | - 10...50 ℃ | |
| recommended storage conditions: | 5....25 ℃ | 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 |
| blister card | | | |
| dimensions: | 120 x 85 | | mm |
| weight (incl. batteries): | 54 | ± 5 | g |

| | | |
|---|---|---|
| ANSMANN® | **ANSMANN Specifications for model:** | **Ansmann XPower Alkaline battery AA - size 2pcs blister** |
| | data sheet no. / part no. | 5015613 |
| | Version no. | |
| | author / date | Gramlich / 19.07.2010 |

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