

battery type: Alkaline Manganese (Mercury free)
battery size: IEC: LR6; JIS: AM-3; ANSI: 15A; MN1500; AA; Mignon
chemical system: Zn / KOH-H₂O / MnO₂

Conditions

nominal voltage: 1.5 V
open circuit voltage: 1.57...1.68 V new battery
 1.55...1.68 V after 1 year storage at 20°C

capacity rated: 2950 mAh all measurements at 20°C ambient
 discharge at 10mA load; 24hours/day
 End Voltage (EV): 0.8V
 2850 mAh discharge at 43ohms load; 4hours/day
 End Voltage (EV): 0.9V

minimum: 19.5 h at 10ohms constant resistance discharge
 (for IQC measurement) 24h/d; End Voltage (EV): 0.9V
 370 min at 3.9 ohms constant resistance discharge
 24h/d; End Voltage (EV): 0.9V

typical service output

| Discharge Condition | | | IEC60086-2: 2015 Standard | Discharge Time | | | |
|---------------------|-------------|-------------|--|----------------|--------|------------------------|--------|
| Load | Test mode | End Voltage | | Initial | | After 1 year at 20±2°C | |
| | | | | MAD | Normal | MAD | Normal |
| 3.9Ω | 1h/d | 0.8V | 5h | 7.8h | 8.4h | 7.4h | 7.8h |
| 50mA | 1h/8h,24h/d | 1.0V | 30h | 50h | 52h | 48h | 50h |
| 100mA | 1h/d | 0.9V | 15h | 24.5h | 25.5h | 23h | 24.5h |
| 250mA | 1h/d | 0.9V | 5h | 7.9h | 8.5h | 7.5h | 7.9h |
| 1.5-0.65W | 2s/28s,5m/h | 1.05V | 40p | 100p | 120p | 90p | 100p |
| 3.9Ω | 4m/h,8h/d | 0.9V | 230m | 425m | 460m | 400m | 425m |
| 10Ω | Reference | 24h/d | / | 19.5h | 20.8h | 19h | 20h |
| 3.9Ω | | 24h/d | / | 370m | 390m | 350m | 370m |
| Remarks | | | <ul style="list-style-type: none"> • MAD- Minimum Average Discharge m- minute h- hour d-day p-pulses • Actual performance for each lot perhaps will be slightly different with normal performance. | | | | |

internal resistance: ≤ 0.2 Ω at 1kHz, sine wave measurement
 (new battery) according to IEC 896-2

shelf life: 7 years under proper storage conditions

leakage resistance

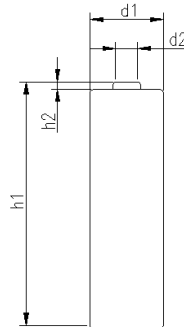
over discharge: no leakage 10ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%
 high temperature: no leakage store 20days at ta: 60°C; RH:90±5%

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: 23.5 ± 2 g



| | | |
|--|--|---|
| | ANSMANN Specifications for model: | Premium Quality Alkaline Battery AA - size |
| | data sheet no. / part no. | |
| | s.n. | 704413 |
| | author / date | TG / 02.07.2019 |