

**battery type:**  
**battery size:**  
**chemical system:**

Zinc-Air button cell (hearing aid battery)  
 A13; PR48  
 Zinc - Air / Zn-O<sub>2</sub>



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

**nominal voltage:** 1.45 V  
**open circuit voltage:** 1.35...1.45 V  
 1.35...1.45 V

**Conditions**

new battery (pull off tap min. 30 minutes before measurement)  
 after 1 year storage at 20°C

**capacity**

typical: 310 mAh  
 minimum: 270 mAh

all measurements at 22 ± 2°C ambient  
 discharge at 1.5kΩ load; discharge 24hours/day  
 End Voltage (EV): 0.9V

**Standard discharge time**

minimum: 305 h ditto (for QC measurement)

**Discharge current**

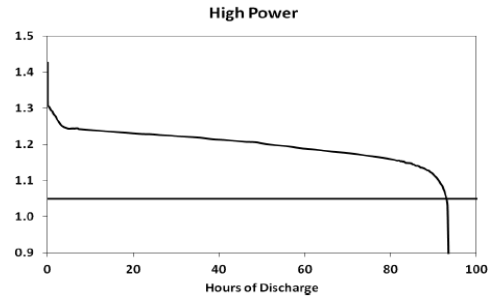
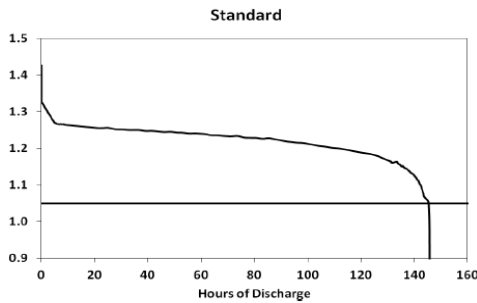
standard: ≤ 2.0 mA  
 available current: 8.0 mA at 1.1V

**impulse load voltage:** ≥ 1.1 V measured after 2s load  
 load resistance 200Ω

impedance: ≤ 4 Ω measured at 1kHz

**Discharge diagram:**

<b>ANSI/IEC Hearing Aid Standard Test</b>	145 hours – 2 mA background, 6 mA 100 ms pulse, once every 2 hours, 12 hours/day to 1.05V at 70°F (21° C) and 50% RH.	<b>ANSI/IEC Hearing Aid High Power Test</b>	92 hours – 3 mA background, 12 mA 100 ms pulse, once every 2 hours, 12 hours/day to 1.05V at 70°F (21° C) and 50% RH.
---	---	---	---

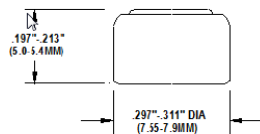


**shelf life:** 4 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)

**operating temperature range:** 0...50 °C

**mechanical specifications:**

dimensions:



Volume: 0.26 cm<sup>3</sup>

Nominal weight: 0.79 g

	<b>ANSMANN Specifications for model:</b>	<b>A13 Hearing Aid Battery</b>
	data sheet no. / part no.	<b>Zinc-Air "mercury free"</b>
	supplier no.	703619
	author / date	TG / 28.08.2018