

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

Zinc-Air button cell (hearing aid battery)  
 A312; PR41  
 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: 180 mAh  
 minimum: 155 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: 175 h ditto (for QC measurement)

**Discharge current**  
 standard: ≤ 1.5 mA  
 available current: 6.0 mA at 1.1V

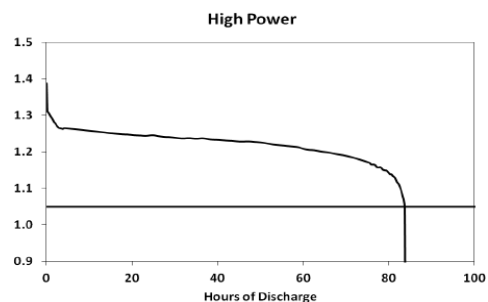
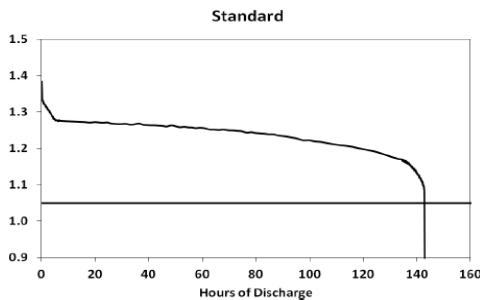
**impulse load voltage:** ≥ 1.1 V measured after 2s load  
 load resistance 200Ω

impedance: ≤ 5 Ω measured at 1kHz

**Discharge diagram:**

**ANSI/IEC Hearing Aid Standard Test** 143 hours – 1.2 mA background, 5 mA 100 ms pulse, once every 2 hours, 12 hours/day to 1.05V at 70°F (21° C) and 50% RH.

**ANSI/IEC Hearing Aid High Power Test** 84 hours – 2 mA background, 10 mA 100 ms pulse, once every 2 hours, 12 hours/day to 1.05V at 70°F (21° C) and 50% RH.

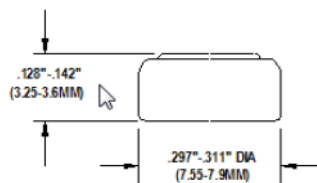


**shelf life:** 4 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)

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

**mechanical specifications:**

dimensions:



Volume: 0.17 cm<sup>3</sup>

Nominal weight: 0.50 g

	<b>ANSMANN Specifications for model:</b>	<b>A312 Hearing Aid Battery</b>
	data sheet no. / part no.	<b>Zinc-Air "mercury free"</b>
	supplier no.	703619
	author / date	TG / 28.08.2018