

**battery type:** lithium primary battery  
**battery size:** CR-123A (CR-17345)  
**chemical system:** Manganese Dioxide Lithium Battery

**nominal voltage:** 3.0 V  
**open circuit voltage:** 3.0...3.5 V  
**closed circuit voltage:** 2.9...3.4 V

#### conditions, remarks

new battery  
 measured after 1s under load of 50Ω

#### capacity

measurements at 23°C ambient; new battery

**rated:** 1500 mAh discharge at 10mA constant; 24hours/day  
 End Voltage (EV): 2.0V

**minimum:** 1375 mAh discharge at 15mA constant; 24hours/day  
 End Voltage (EV): 2.0V

1000 mAh discharge at 1000mA constant; continuous  
 End Voltage (EV): 2.0V

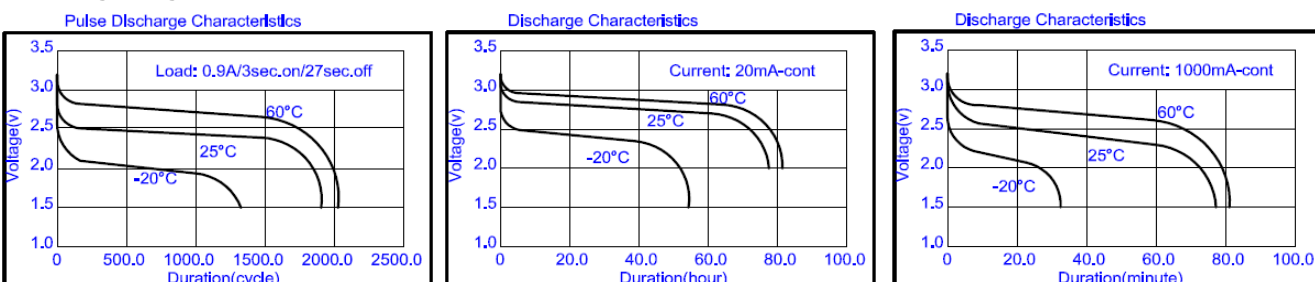
#### duration

new battery

**pulse load:** load: 900mA for 3s, rest time 27s  
 >1600 cycles at 23°C; End Voltage (EV): 1.55V

load: 1200mA for 3s, rest time 7s  
 >1000 cycles at 23°C; End Voltage (EV): 1.55V

#### discharge diagrams



#### max. discharge current

**continuous:** 1000 mA  
**pulse:** 3000 mA

**internal resistance:** ≤ 0.5 Ω sine wave AC method (1kHz; 0.1mA)  
 according to IEC 896-2

**shelf life:** 10 years under proper storage conditions

#### ambient temperature range:

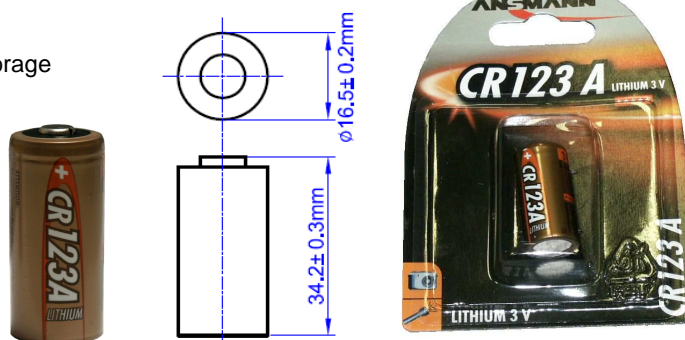
- 20...60 °C operating temperature  
 - 20...45 °C storage temperature  
 5...20 °C recommended storage temperature

**relative humidity:** ≤ 70% during storage

#### mechanical specifications

**cell dimensions**  
**diameter:** 17.0 - 0.7 mm  
**height:** 34.5 - 1.0 mm  
**weight:** 16.5 ± 2 g

**blister card**  
**dimensions:** 123 x 86 mm  
**weight (incl. battery):** 25 g



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	<b>ANSMANN Specifications for model:</b>	<b>CR-123A Lithium Battery</b>
	data sheet no. / part no.	5020012
	Version no.	
	author / date	Gramlich / 11.03.2013

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