

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

**conditions, remarks**

**nominal voltage:** 3.0 V  
 open circuit voltage: 3.0...3.5 V new battery  
 closed circuit voltage: 2.9...3.4 V measured after 1s under load of 50 Ω

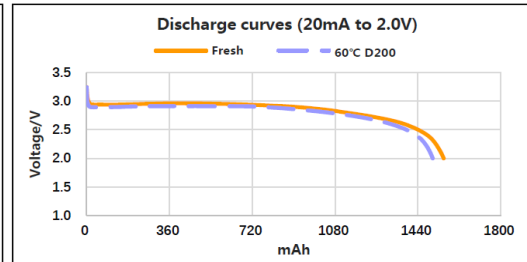
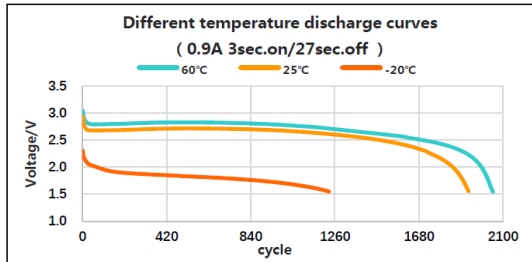
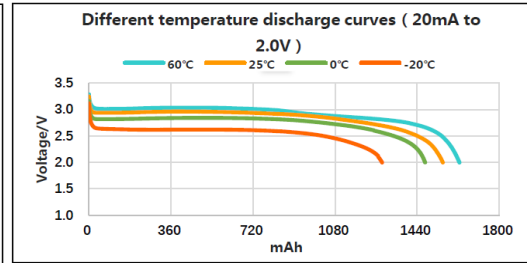
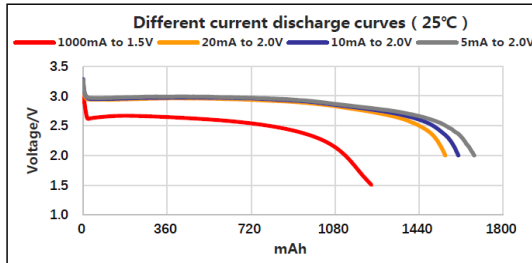
**capacity** measurements at 23°C ambient; new battery

rated (nominal): 1600 mAh discharge at 1mA constant; 24hours/day  
 End Voltage (EV): 2.0V  
 minimum: 1500 mAh discharge at 10mA 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  
 >1700 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

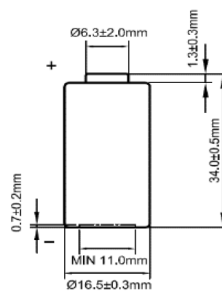
**shelf life:** 10 years under proper storage conditions

**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



	<b>ANSMANN Specifications for model:</b>	<b>CR-123A Lithium Photo Battery</b>
	data sheet no. / part no.	
	supplier no.	703331
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