

battery type: lithium primary battery
battery size: CR-2 (CR15H270)
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 20°C ambient; new battery

rated: 850 mAh discharge at 10mA constant; 24hours/day
 End Voltage (EV): 2.0V

minimum: 800 mAh discharge at 10mA constant current; 24hours/day
 End Voltage (EV): 2.0V

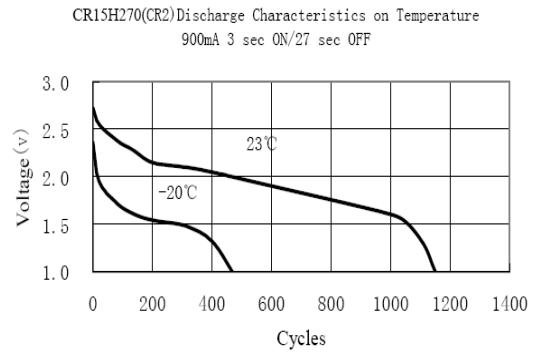
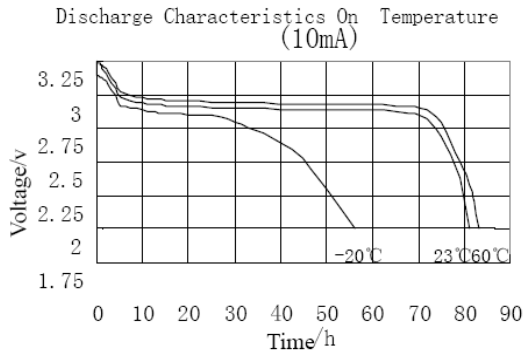
650 mAh discharge at 500mA constant current; continuous
 End Voltage (EV): 1.0V

duration new battery

pulse load: load: 900mA for 3s, rest time 27s
 900 cycles at 20°C; End Voltage (EV): 1.55V

load: 1200mA for 3s, rest time 7s
 600 cycles at 20°C; End Voltage (EV): 1.55V

discharge diagrams:



max. continuous discharge current: 1000 mA at 20°C

internal resistance: ≤ 0.7 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

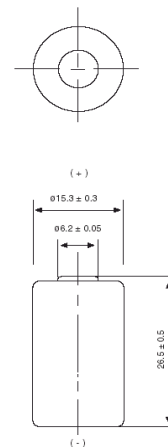
relative humidity: ≤ 60% during storage

mechanical specifications

cell dimensions

diameter: 15.5 - 0.5 mm
height: 27.0 - 0.8 mm

weight: 11 ± 1.5 g



	ANSMANN Specifications for model:	CR-2 Lithium Battery bulk package
	data sheet no. / part no.	5020021
	Version no.	
	author / date	Gramlich / 20.11.2012