

battery type:
battery size:
chemical system:

Lithium Button Cell
 CR2016
 Lithium Manganese Dioxide



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

nominal voltage: 3.0 V
open circuit voltage: 3.0...3.4 V
 2.9...3.4 V

Conditions
 new battery
 after 1 year storage at 20°C

all measurements at 22 ± 2°C ambient

capacity
 rated: 80 mAh
 minimum: 75 mAh

continuous discharge at 30kΩ load; 24hours/day
 End Voltage (EV): 2.0V
 continuous discharge at 30kΩ load; 24hours/day
 EV: 2.0V

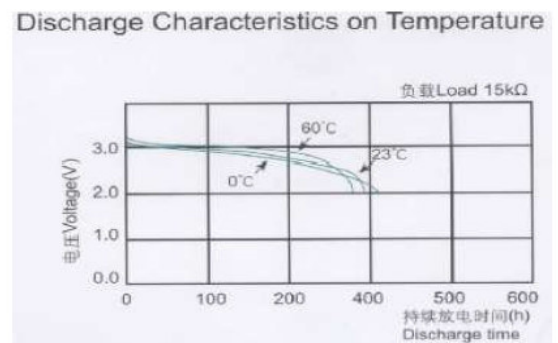
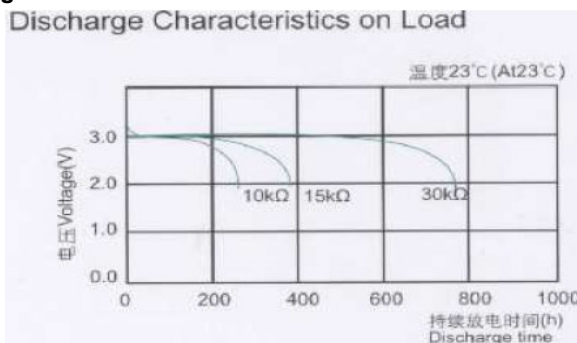
Service Life

at 30kΩ load; 24hours/day
 ≥ 800 h EV: 2.0V new battery (tested within 60 days after production)
 ≥ 770 h EV: 2.0V after 12 months
 standard discharge time ≥ 120 h at 4.7kΩ load (for QC measurement)

Discharge currents

standard: 0.1 mA
 max. recommended current under continuous discharge: 2 mA
 max. recommended current under pulse discharge: 10 mA

Discharge diagrams:



shelf life: 5 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)

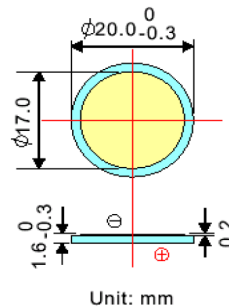
operating temperature range: - 20...60 °C

storage temperature: 0...30 °C (recommended)

mechanical specifications:

outer battery dimensions
 diameter: 20.0mm +0/-0.3mm
 height: 1.6mm +0/-0.2mm

drawing



nominal weight: 1.7 g (approx.)

	ANSMANN Specifications for model:	Lithium Button Cell HyCell CR2016
	data sheet no. / part no.	
	supplier no.	703385
	author / date	TG / 16.01.2020