

battery type:
battery size:
chemical system:

Lithium primary battery
 ER14505H (AA)
 Lithium Thionyl Chloride Battery



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

conditions, remarks

typical values for batteries stored for 1 year at max. 30°C

nominal voltage: 3.6 V
open circuit voltage: 3.66 V new battery

capacity nominal: 2700 mAh discharge at 1mA constant; 24hours/day
 End Voltage (EV): 2.0V

discharge max. continuous current: 50 mA (achievable capacity approx. 50% when discharge to 2.0V, ta: 25°C)
 (recommended)

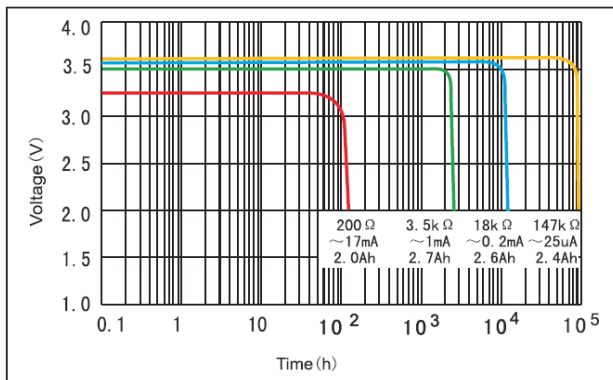
max. pulse current: 150 mA 0.1s pulses every 2 minutes

load voltage (CCV): ≥ 3.2 V at 200 Ω load (for IQC measurement)

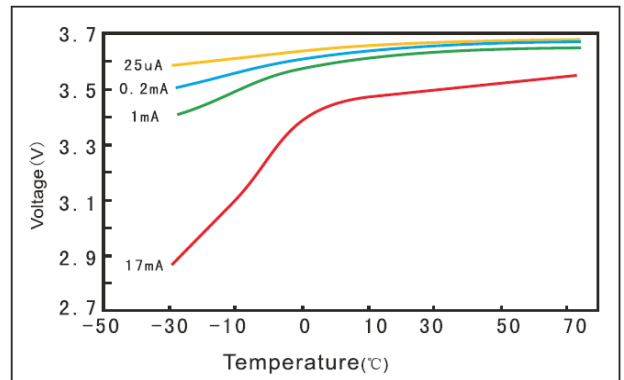
ambient temperature range:

- 55...85 °C operating temperature
 5...20 °C recommended storage temperature

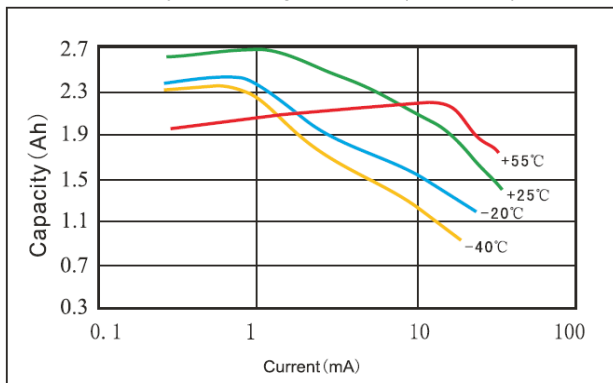
Discharge Characteristics at 25°C



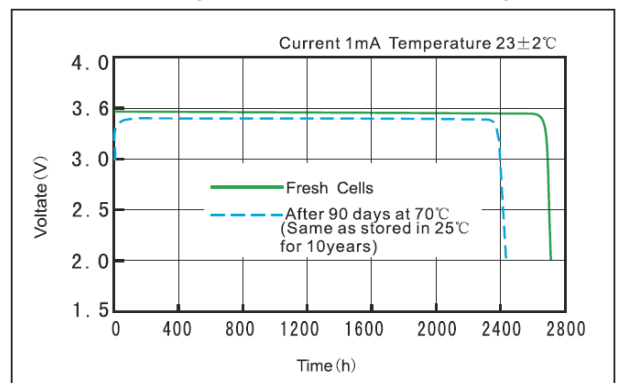
Voltage - Temperature



Capacity - Discharge Current (E.V. 2.0V)

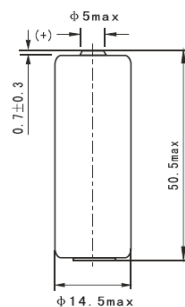


Discharge Characteristics after storage



mechanical specifications

cell dimensions:



weight: 18 ± 1 g

dimensions in mm

	ANSMANN Specifications for model:	Lithium Thionyl Chloride Battery ER14505H
	data sheet no. / part no.	
	s.n.	704667
	author / date	TG / 04.05.2020