

battery type: Lithium primary battery
battery size: ER14505H (AA)
chemical system: Lithium Thionyl Chloride Battery

conditions, remarks

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

nominal voltage: 3.6 V

open circuit voltage: > 3.64 V new battery

capacity

nominal: 2700 mAh discharge at 1mA constant; 24hours/day; end voltage (EV):2.0V

min. operation time: ≥ 25 h at 56 Ω load; 24h/d; EV: 2.0V (for IQC measurement)

discharge

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

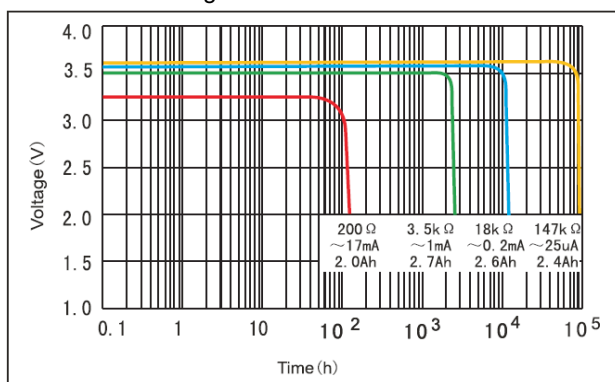
max. pulse current: 150 mA 0.1s pulses every 2 minutes

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

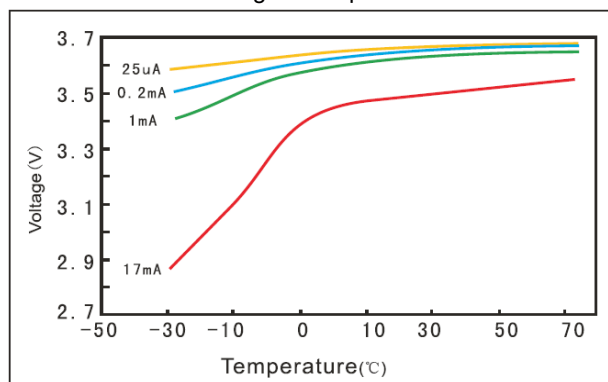
ambient temperature

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

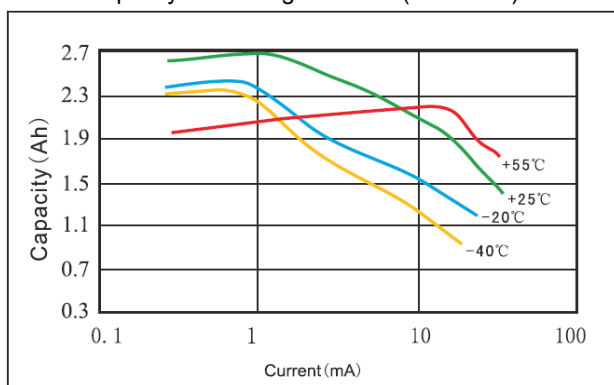
Discharge Characteristics at 25°C



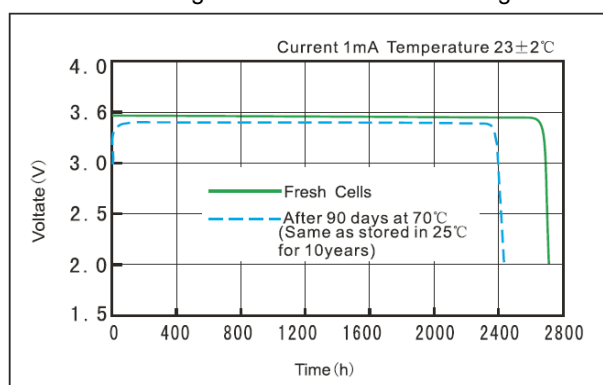
Voltage - Temperature



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



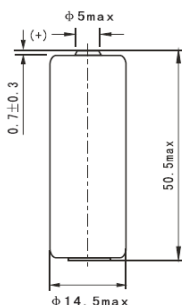
Discharge Characteristics after storage



mechanical specifications

cell dimensions:

weight: 18 ± 1 g



dimensions in mm

112



ANSMANN Specifications for model:

data sheet no. / part no.

s.n.

author / date

**Lithium Thionyl Chloride Battery
ER14505H**

704667

TG / 31.08.2023

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