

**battery type:** Lithium primary battery  
**battery size:** ER17505H (A)  
**chemical system:** Lithium Thionyl Chloride Battery

**conditions, remarks**  
 typical values for batteries stored for 1 year at max. 30°C

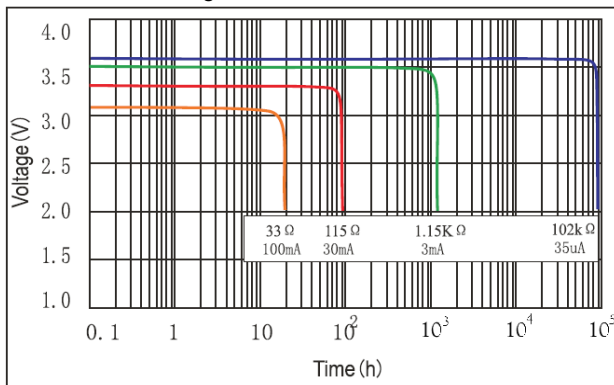
**nominal voltage:** 3.6 V  
**open circuit voltage:** > 3.64 V new battery

**capacity**  
 nominal: 3600 mAh discharge at 1mA constant; 24hours/day; end voltage (EV):2.0V  
 min. operation time: ≥ 46 h at 62 Ω load; 24h/d; EV: 2.0V (for IQC measurement)

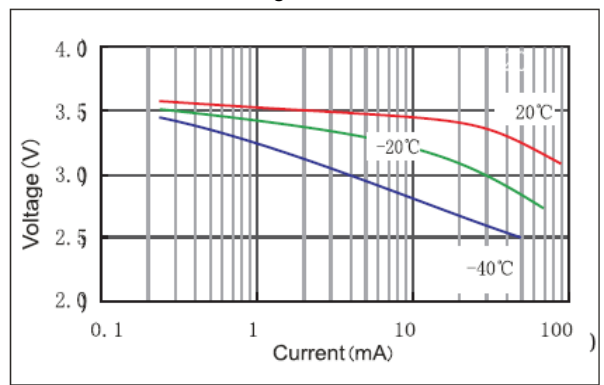
**discharge**  
 max. continuous current: 100 mA (achievable capacity approx. 50% when discharge to 2.0V, ta: 25°C)  
 (recommended)  
 max. pulse current: 200 mA 0.1s pulses every 2 minutes  
 load voltage (CCV): ≥ 3.25 V at 200 Ω load (for IQC measurement)

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

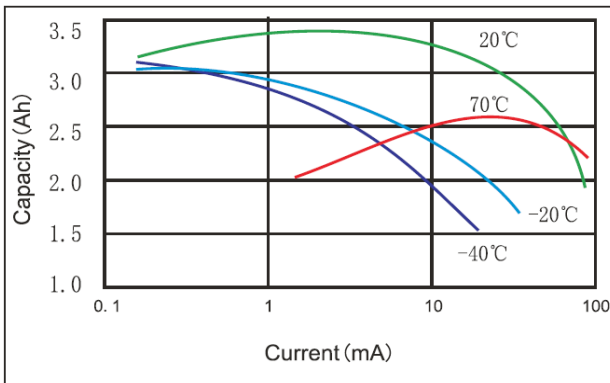
Discharge Characteristics at 25°C



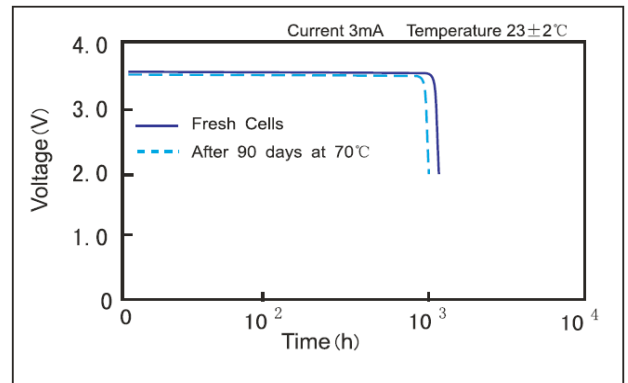
Voltage - Current



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

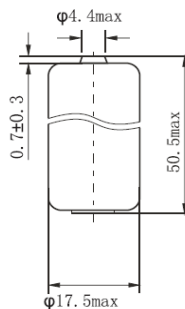


Discharge Characteristics after storage



**mechanical specifications**

cell dimensions:



weight: 27 ± 1 g

dimensions in mm



<b>ANSMANN Specifications for model:</b>	<b>Lithium Thionyl Chloride Battery ER17505H</b>
data sheet no. / part no.	
s.n.	704667
author / date	TG / 31.08.2023