

Li/SOCl₂ Battery: ER18505M

Technical data

- Nominal capacity : 3.5Ah
 - Nominal voltage : 3.6V
 - Max. continuous current : 800mA
 - Max. pulse current : 1200mA
- 1200mA/0.1s pulses, drained every 2 minutes at 23°C from 5mA mid-discharged cells with 20μA base current, yield voltage readings above 2.7V. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history.
- Standard discharge current : 5mA
 - Working temperature range : -55°C ~ +80°C
 - Weight : 30g

 UL. Component Recognition(MH46165)

Applications

- Smart meter
- Security devices
- IoT devices

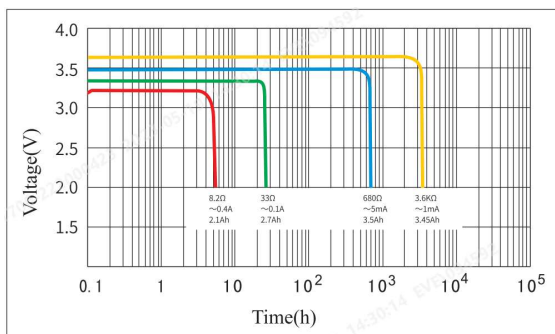


International size reference : /

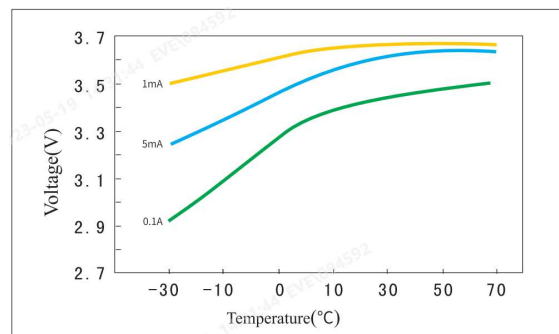
Features & Benefits

- Superior long-term reliability
- Low self-discharge rate
- High safety and energy density

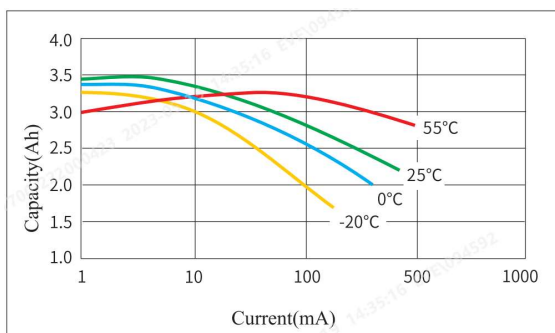
Typical discharge curves at 23°C



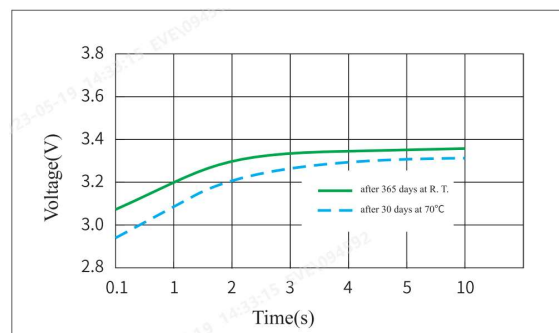
Voltage vs. Temperature



Capacity vs. Current (2V cut-off)



Voltage response @200mA or 16ohms 23±2 °C



WARNING:

Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 85°C (185°F), incinerate or expose contents to water. Do not solder directly to the cell, use tabbed cell instead.

ATTENTION:

Consult FANSO when using batteries at temperature exceeding the -10 °C ~ +40 °C range. "The above data comes from FANSO's laboratory, any representations in this document concerning performance are for informational purpose only. FANSO Technology Co., Ltd reserves the right to interpret this data."



Official website
Issued in Feb. 2023