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**FANSO**  
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# Initiator & Innovator in Primary Lithium Battery Manufacturing in China



# 锂亚硫酰氯电池 Li-SOCl<sub>2</sub> battery



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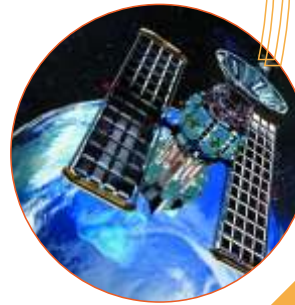
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- \* OCV 3.66V, energy density can reach 700wh/kg;
- \* Long storage life, annual self-discharge rate less than 1% at 25°C;
- \* Stainless steel shell and cap, non-flammable electrolyte, good sealability;
- \* Operating temp range -55~85°C, compliant to IEC86-4.

## Regular size:

ER14250H, ER14505M, ER17505M, ER18505M,  
ER18505H, ER26500M, ER34615H

Widely applied to smart metering systems for electricity, water, gas, and heat, TPMS, GPS tracking, wireless smoke detectors etc.



>>> **锂离子电池**  
**Li-MnO<sub>2</sub> battery**



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- \* OCV 3.2V, energy density can reach 270wh/kg
- \* Annual self-discharge rate less than 2% for spiral type, 1% for bobbin type at 25°C
- \* Completely hermetic sealing, long storage life
- \* Operating temp range -40~60°C, compliant to IEC86-4



Widely applied to smart metering,  
electronics, smoke alarms

# >>> 箔式方形软包锂电池 Ultra thin battery



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- \* Flexible in shape, ultra thin(0.6mm), operating temp range -20~+60°C
- \* Low yearly self-discharge rate( $\leq 2\%$ ), high energy density without passivation, good pulse capability
- \* High safety level, no explosion, light weight, no leakage, environmental friendly
- \* Compliant to IEC86-4, UL approved.



Widely used to active RFID tags, ETC, vehicle tracking, e-cigarette, etc. Models including CP073040, CP224147, CP305050, CP383047, CP502440, CP504644.....



# 高温锂亚电池 High temperature battery



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High temperature series has been recognized as one of the best globally.

Extreme operating temperature range  $-40\sim+165^{\circ}\text{C}$ .

Capacity of a single cell can reach 25Ah, continuous current 400mA.

Conform to technology and safety standard for military use.



**Typical applications:**

Seismic survey equipment, PIG, automatic control systems, etc.

**Regular size:**

ER14250S, ER14505S, ER25500S,  
ER34615S, ER251020S, ER341245S





Others

For heat meter



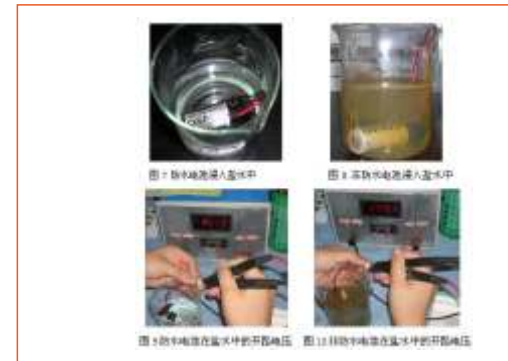
Low passivation level  
Long service life

Prismatic cells



Low self-discharge rate  
High safety level

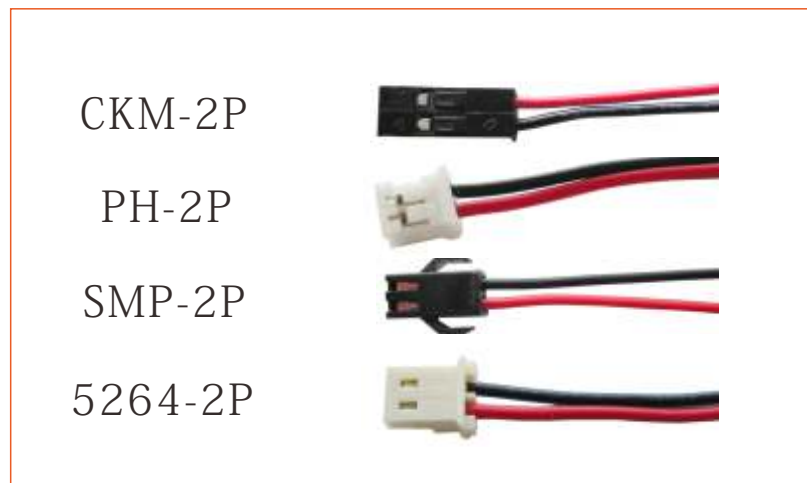
Waterproof batteries



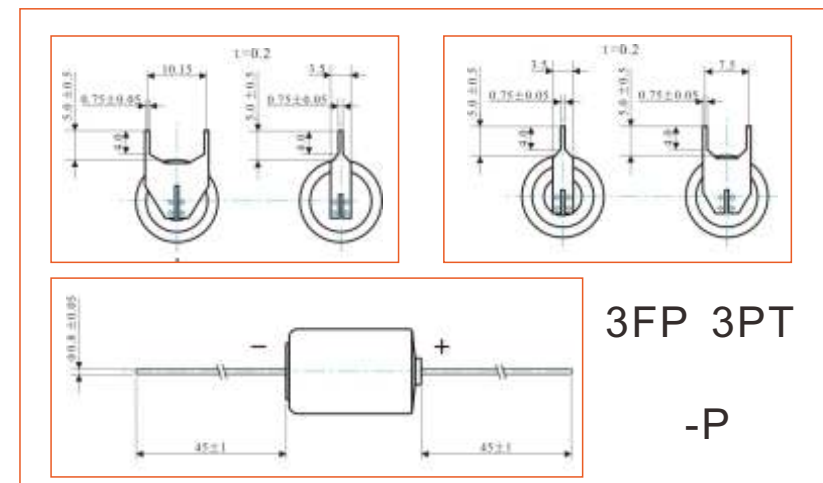
Resistant to water, erosion  
Stable performance



Terminals



Connectors



Tabs

# Recommended ER2450

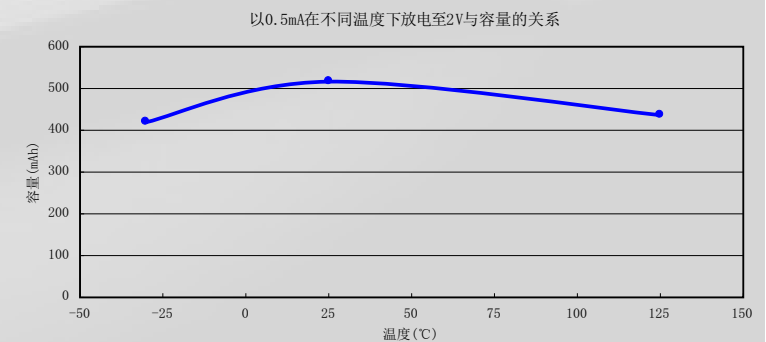
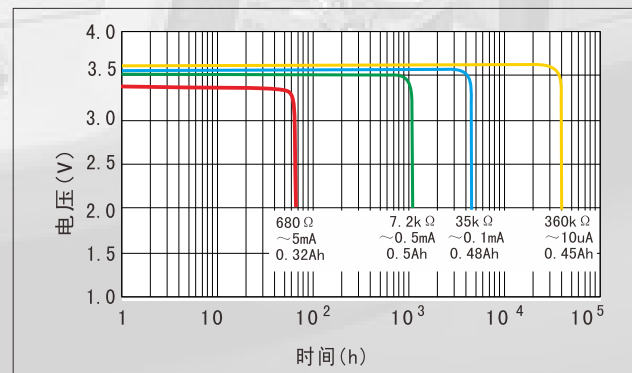
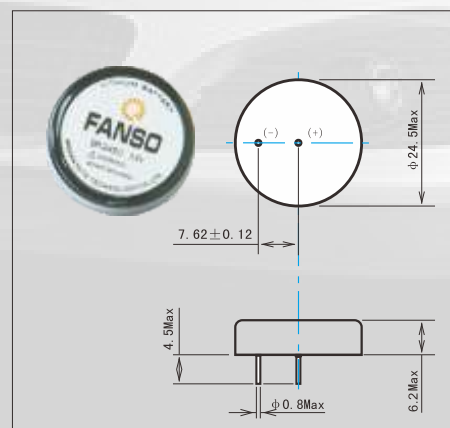


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ER2450 is mostly targeted for TPMS. It is incomparable with CR2450 or BR2450 in energy density, operating voltage, and reliability.

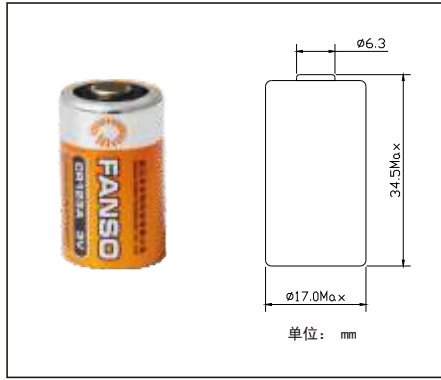
By improving technology and optimizing production process, our ER2450 is much more suitable for use in vehicles and have longer service life than others.



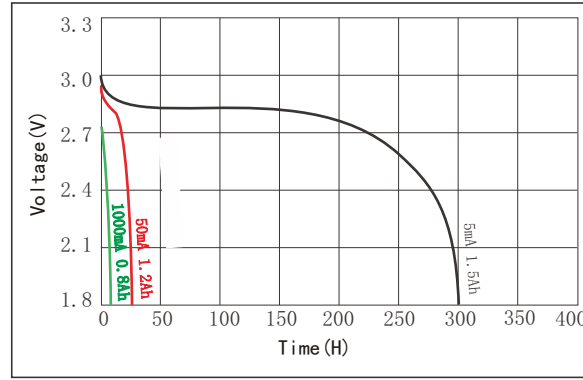
# Recommended CR123A



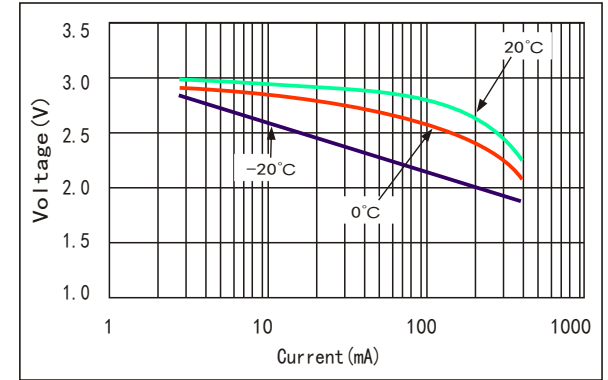
Semi-hermetic CR123A, or CR17345 in full, has higher safety level than full-hermetic CR17335E, and more extensive application.



极端样式: -/P 轴向碰焊线  
 -/T/PT2 径向插件  
 -/PT/TP 多脚插件



Discharge characteristics at 25°C



Voltage VS Current & Temperature Curve

Besides normal CR123A, FANSO also successfully developed low temperature type to adapt to different environments.

