

ER18505S-150

3.6V Li/SOCl₂ Battery

1/2AA Middle C-Rate Type hi-temperature ER battery

**ADVATAGES:**

- stable high operating voltage and high capacitance
- high energy density, high stable current
- wide operating temperature ranges (-30°C~+150°C)
- low self-discharge rate (annual self-discharge rate is less than 3% at +25°C)
- excellent environmental application characteristics
- stainless steel case (low magnetic resistance to environmental erosion)

FEATURES:

- a positive structure with proprietary technology
- stainless steel - glass airtight package
- non-combustible electrolyte
- high short circuit safety
- comply with GB 8897.4-2008 technical requirements
- meet technical requirements of IEC60086.4:2014

SPECIFICATIONS

(Typical data from the batteries stored at 25±5°C for 12 months)

Nominal Capacity:	3.2Ah
(At 50mA, +25°C cut-off voltage 2.0V.)	
Open Voltage (at +25°C) :	3.67V
Nominal Voltage (at +25°C, 0.3mA) :	3.60V
Max. Continuous Discharge Current	220m
(Obtained at +25°C~150°C, 50% nominal capacity, 2.0V cut-off voltage; For higher current, please consult GMB)	
Pulse Current:	300 mA
(at +25 ° c, the un-discharged battery starts to discharge with a base current of 1mA, the reading is still above 3.0V.)	

Storage (max.)	+30°C
(please consult GMB for higher storage temperature requirements or stringent conditions)	

Working Temperate Range	-30°C~+150°C
(exceeding the operating temperature range can result in reduced capacity, low voltage reading and low initial pulse voltage reading.)	

PHYCIAL PROPERTIES

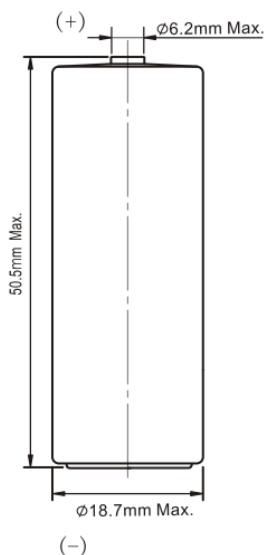
Diameter (max.)	18.7mm
Height (Max.)	50.5mm
Typical Weight	9 g
Lithium Metal Content	(About)4.6g

Warning: Do not charge, short circuit, heat more than 150°C, decompose, put into water, directly in the battery shell surface welding, otherwise may cause explosion, combustion and internal acid leakage of the battery.

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Size unit :mm (GB1804-m if tolerance is not specified)

For special connection requests, please consult GMB

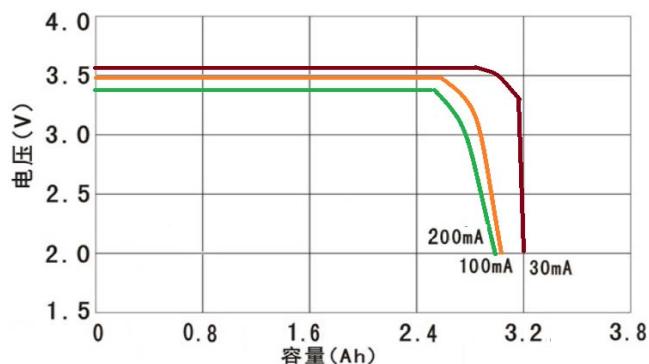
WARNING

- do not short out the battery
- do not charge the battery
- don't pin the batter
- do not squeeze the battery
- pay attention to the battery anode and cathode
- electrical equipment connection is correct
- do not disassemble the battery
- do not burn batteries
- do not mix old and new batteries
- do not heat the battery to more than 150°C
- do not directly weld the battery
- please use a battery with pre-welded pins or wires.

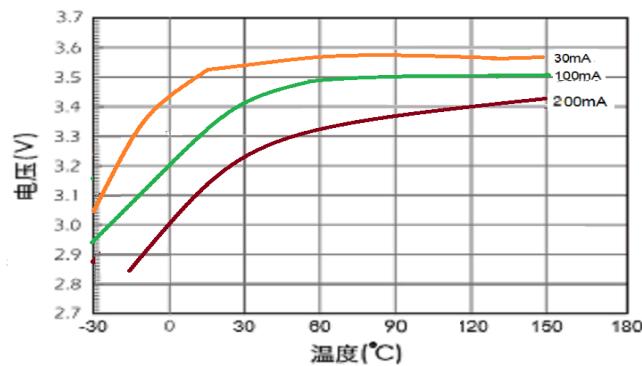
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1. Voltage VS Capacity at +135°C

(intermediate value)



2. Current VS Temperature



3. Capacity VS Temperature(Cut off at 2.0V)

