

Product Specification

Number: L-KLS5-04-ER26500S-5500mAh-1

Name: LiSOCl₂ Battery

Date: 2025-08-22



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Compi	Check	Review	Approva
Jenny	Jack.C		

Part name	LiSOCl ₂ Battery	Date	2025-08-22
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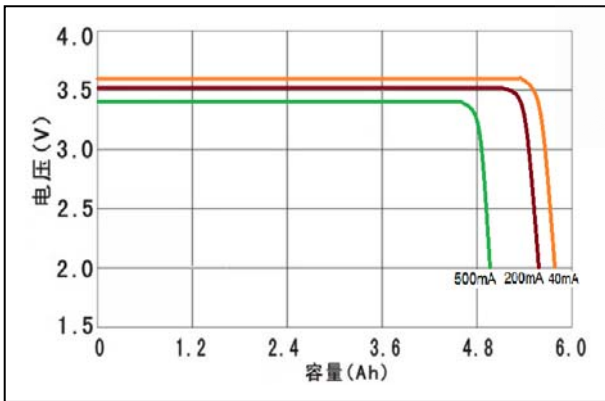
ER26500S

3.6V Li/SOCl₂ Battery

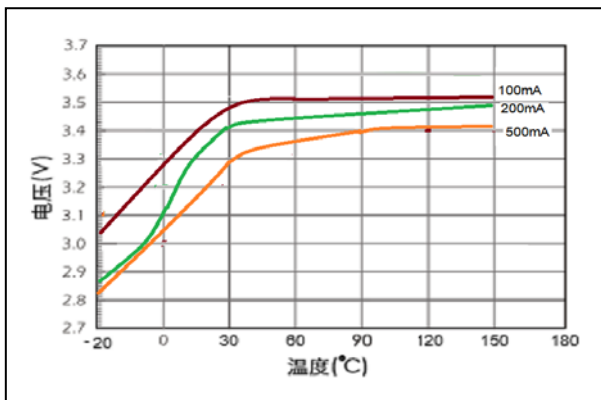
Size C Middle C-Rate Type hi-temperature ER Battery



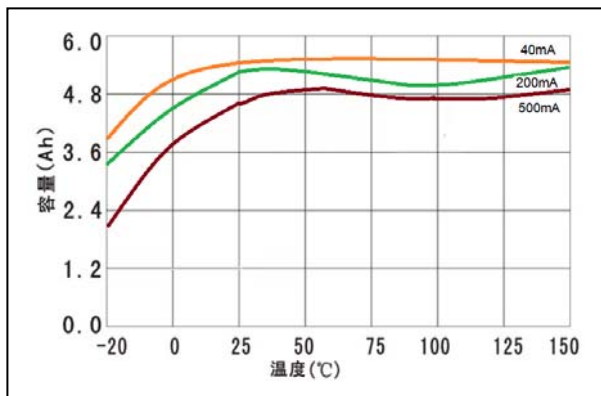
1. Voltage VS Capacity at +135°C (intermediate value)



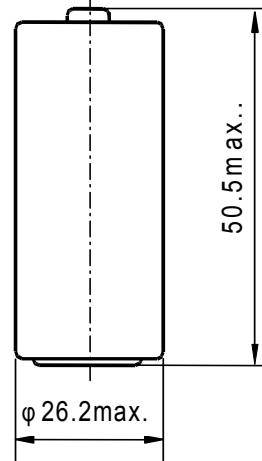
2. Current VS Temperature



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



φ 9.60 max.



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

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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ADVATAGES:

- stable high operating voltage and high capacitance
- high energy density, high stable current
- wide operating temperature rages (-20°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

ER26500S

3.6V Li/SOCl₂ Battery

Size C Middle C-Rate Type hi-temperature ER Battery

SPECIFICATIONS

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

Nominal Capacity: 5.5Ah

(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 500mA

(Obtained at +25°C~150°C, 50% nominal capacity, 2.0V cut-off voltage; For higher current, please consult KLS)

Pulse Current: 1000mA

(at +25 ° c, the un-discharged battery starts to discharge with a base current of 1mA, the reading is still above 3.0V.)

Storage +30°C

(please consult KLS for higher storage temperature requirements or stringent conditions)

Working Temperate Range -20°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.) 26.2mm

Height (Max.) 50.5mm

Typical Weight 48g

Lithium Metal Content (About)1.61g

Notice: KLS reserves the right to change the information contained in this data sheet without priornotice. Any performance parameters mentioned in this file are for reference only, and the contents ofthis document can be used as valid contract data only after written confirmation by both parties.

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