

3.6V Li/SOCl₂ Battery
Size: AA
Middle C-Rate Type
hi-temperature ER battery



ERI45055-150

SPECIFICATIONS

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

Nominal Capacity: **1.6Ah**

(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: **120mA**

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

Pulse Current: **250 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 POWERSTABILITY for higher storage temperature requirements or stringent conditions)

Working Temperature Range: **-30°C - +150°C**

(exceeding the operating temperature range can result in reduced capacity, low voltage reading and low initial pulse voltage reading.)

PHYSICAL PROPERTIES

Diameter (max.): **14.5mm**

Height (Max.): **50.5mm**

Typical Weight: **9g**

Lithium Metal Content: **(About)4.6g**

ADVANTAGES

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

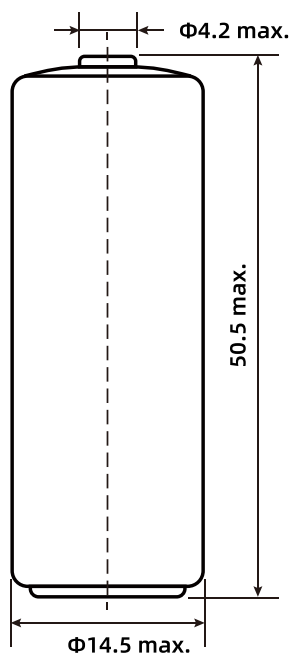
Meet technical requirements of IEC60086.4:2014

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.

ERI4505S - I50

Size: AA

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Size unit :mm

(GB1804-m if tolerance is not specified)
For special connection requests, please consult POWERSTABILITY

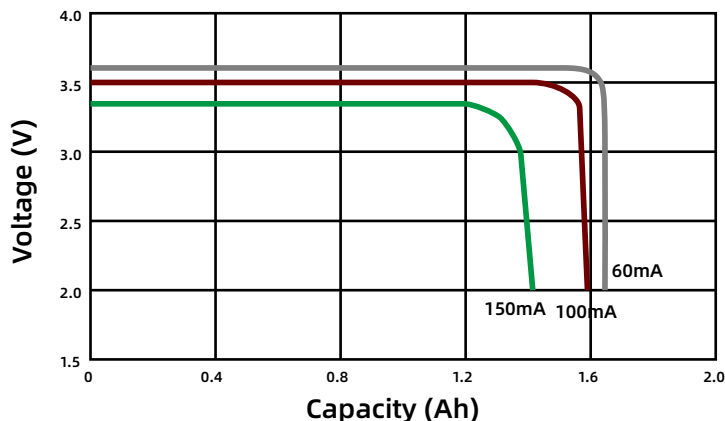
WARNING

- 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.

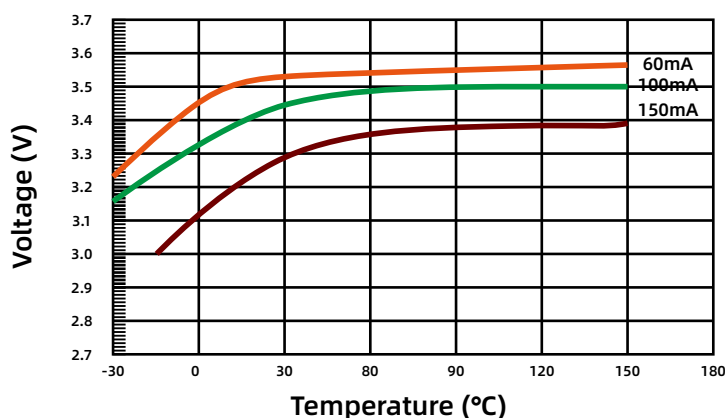
Notice:

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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)

