



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



ER17100S-150

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: **300mA**

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

Pulse Current: **600mA**

(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.): **17.5mm**

Height (Max.): **100.5mm**

Typical Weight: **46g**

Lithium Metal Content: **(About)1.61g**

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

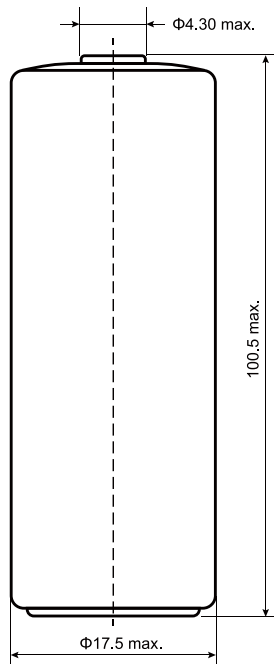
Comply with GB 8897.4-2008 technical requirements

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.

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Size unit :mm

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

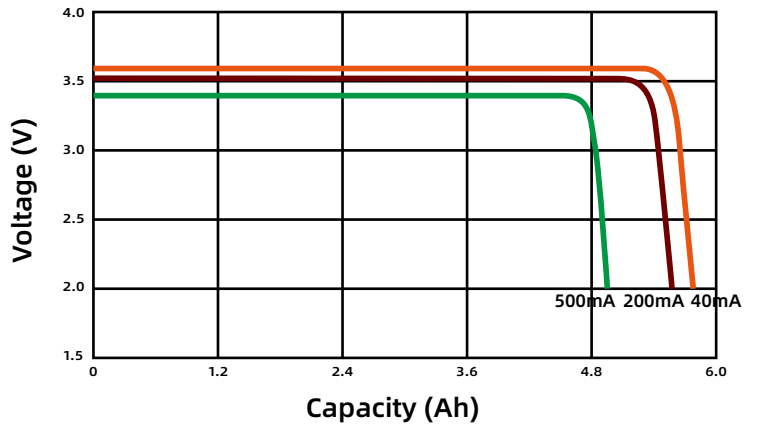
WARNING

- 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.

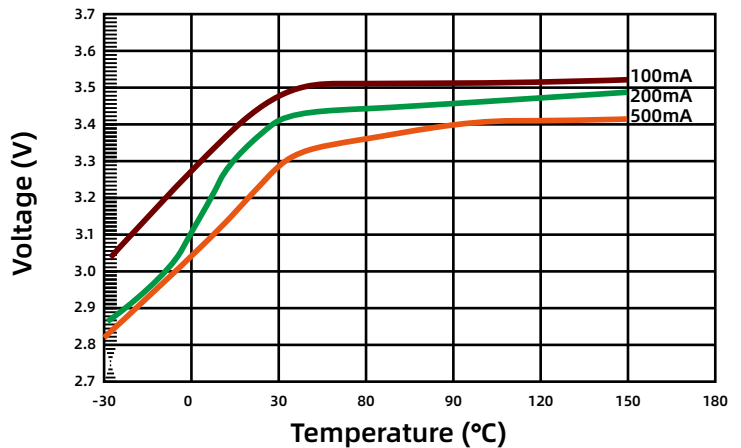
Notice:

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

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



2. Current VS Temperature



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

