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

ER20100S-150

SPECIFICATIONS

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

Nominal Capacity: **9Ah**

(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: **200mA**

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

Pulse Current: **400mA**

(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 requirerments or stringent conditions)

Working Temperate Range: **-55°C - +150°C**

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

PHYCIAL PROPERTIES

Diameter (max.): **20.7mm**

Height (Max.): **101.6mm**

Typical Weight: **70g**

Lithium Metal Content: **(About)2.7g**

ADVATAGES

- Stable high operating voltage and high capacitance
- High energy density, high stable current
- Wide operating temperature rages (-55°C ~ +150°C)
- Low self-discharge rate (annual self-discharge rate is less than 3% at +20°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, decomppose, put into water, directly in the battery shell surface welding, otherwise may cause explosion, combustion arnd internal acid leakage of the battery.

POWERSTABILITY SOLUTIONS **www.powerstability.com** **Email: info@powerstability.com**

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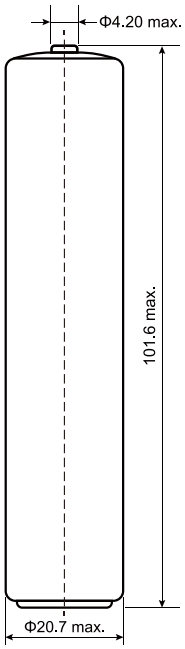
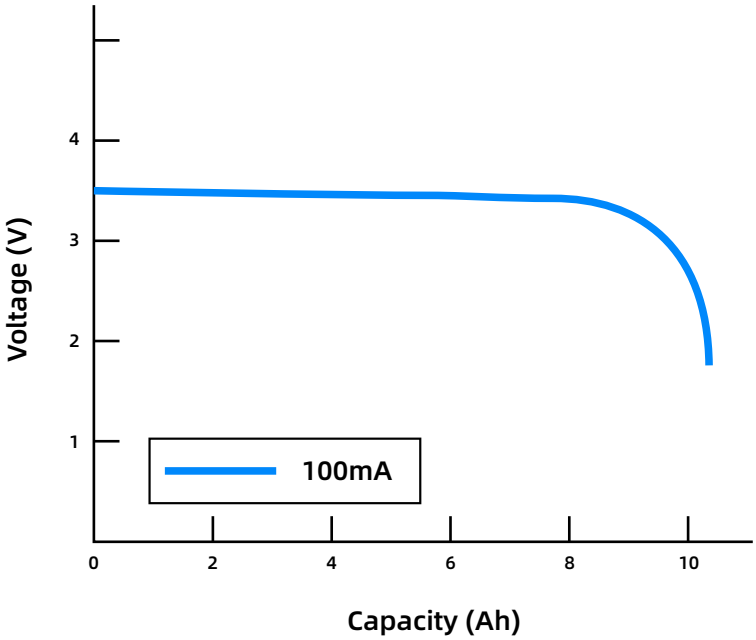


Size unit :mm
(GB1804-m if tolerance is not specified)
For special connection requests, please consult POWERSTABILITY

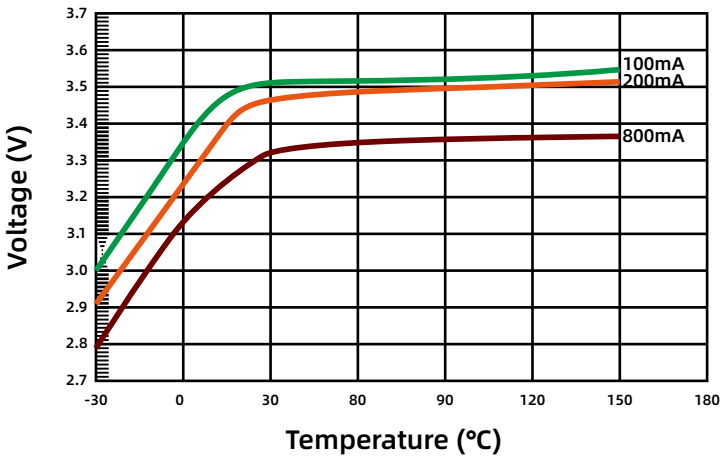
WARNING

- 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 battéries
- 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.

1. Typical discharge curve at +135°C (median)



2. 2. Voltage graphs under different discharge currents and temperatures (at the stabilization stage of the discharge)



Notice:
POWERSTABILITY reserves the right to change the information coontained 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.

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