

**3.6V Li/SOCl<sub>2</sub> Battery**  
**Size: DD**  
**Middle C-Rate Type**  
**hi-temperature ER battery**



# ER341245S-150

## SPECIFICATIONS

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

**Nominal Capacity:** **28.0Ah**

(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:** **1800mA**

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

**Pulse Current:** **2000mA**

(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.):** **34.5mm**

**Height (Max.):** **127.0mm**

**Typical Weight:** **208g**

**Lithium Metal Content:** **(About)3.5g**

## 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

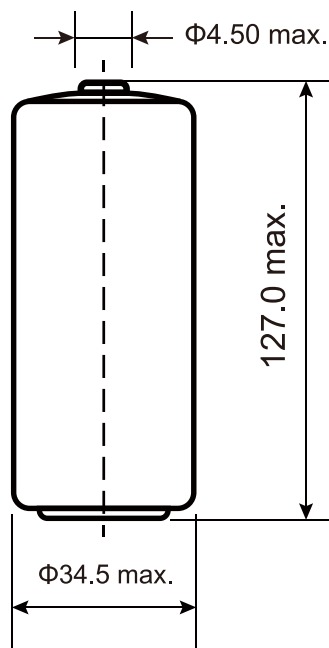
Meet technical requirements of IEC60086.4:2014

**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.

# ER341245S - I50

Size: DD

3.6V Li/SOCl<sub>2</sub> Battery  
Middle C-Rate Type  
hi-temperature ER battery



## Size unit :mm

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

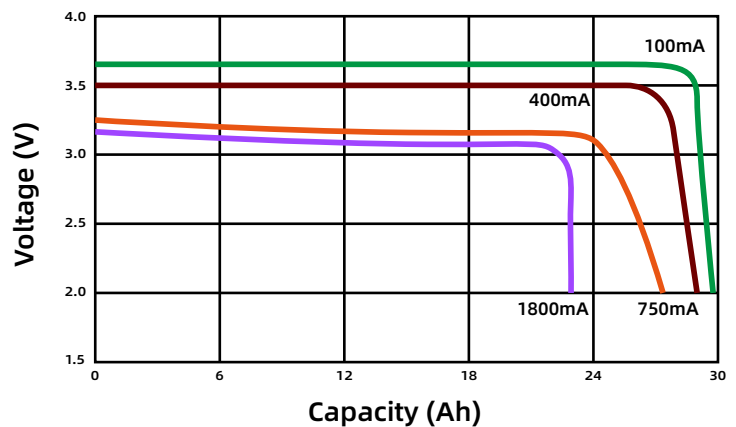
## WARNING

- 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.

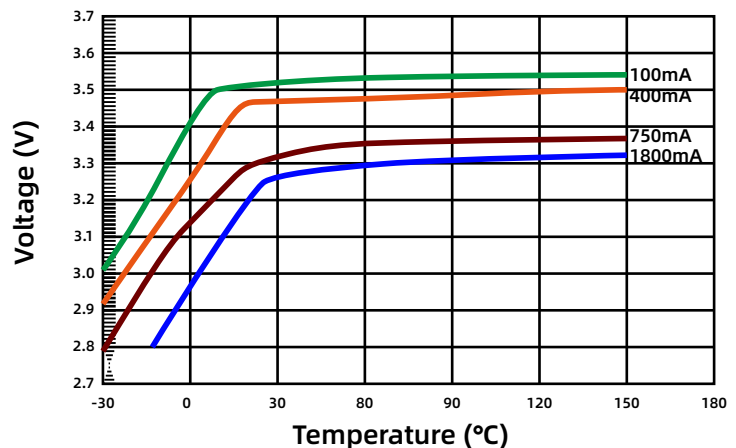
## Notice:

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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)

