



**3.6V**  
**Size:A**

**Lithium Thionyl  
Chloride Battery**



# ER17505H

## SPECIFICATIONS

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

**Nominal Capacity** (1.0mA ~ 2V) : **3.5Ah**

(At 1.0mA, +25°C cut-off voltage 2.0V.)

**Rated Voltage:** **3.6V**

**Max Constant Current of Discharge:** **100mA**

**Max Discharge Current** (Pulse) : **200mA**

**Operating Temperature Range:** **-60°C ~ +85°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.):** **50.5mm**

**Typical Weight:** **28g**

## S: STANDARD TERMINATION

### Notes:

Dimension:mm

Special terminations can be made as requested.

T: Solder tabs

P: Axial pins

### Important Notes:

Do not short or charge the battery.

Over-discharging, crushing, incinerating, and disassembling the battery are prohibited.

Do not heat/use the battery beyond the permitted temperature range.

## ADVANTAGES

Stable high operating voltage and high capacitance

High energy density, high stable current

Wide operating temperature ranges (-60°C ~ +85°C)

Low self-discharge rate (annual self-discharge rate is less than 1% 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

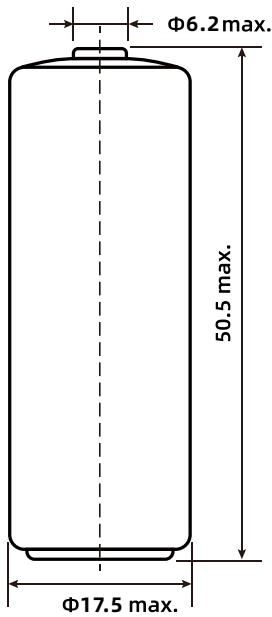
Non-combustible electrolyte

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 85°C, decompose, put into water, directly in the battery shell surface welding, otherwise may cause explosion, combustion and internal acid leakage of the battery.



**Size unit :mm**

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

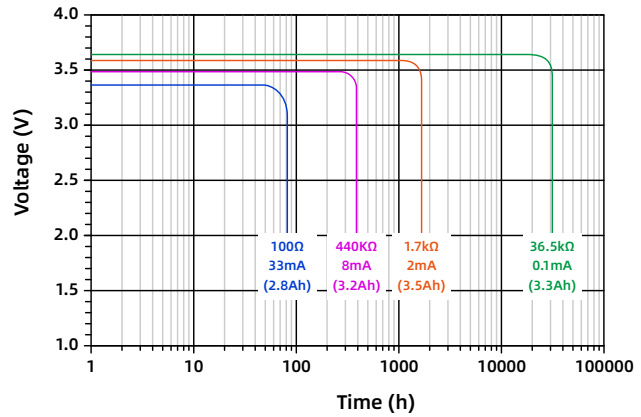
**WARNING**

- | 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 85°C
- | Do not directly weld the battery
- | Please use a battery with pre-welded pins or wires.

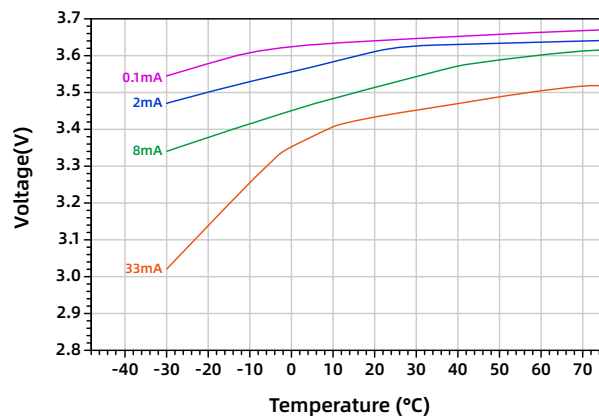
**Notice:**

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**1. Discharge performance (+25°C)**



**2. Voltage versus temperature**



**3. Capacity vs Current**

