



## Lithium Thionyl Chloride Battery Datasheet

### 1. Model: SRB LI ER26500

### 2. Specification

- |                                    |                                      |
|------------------------------------|--------------------------------------|
| 1) Nominal voltage:                | 3.6V                                 |
| 2) Nominal capacity:               | 9000mAh(2mA / 2.0V)                  |
| 3) Discharge end-voltage:          | 2.0V                                 |
| 4) Operating voltage:              | 3.4V(330Ω, in 5s)                    |
| 5) Max constant discharge current: | 200mA                                |
| 6) Max. pulse current:             | 400mA                                |
| 7) Ambient temperature range:      | -55~ +85°C                           |
| 8) Storage life:                   | ≥10 year, Yearly self-discharge ≤ 1% |

### 3. Appearance & Dimension/Weight

- |                    |                 |
|--------------------|-----------------|
| 1) Appearance:     | Cylinder        |
| 2) Max dimension : | φ26.2mm×h50.0mm |
| 3) Max weight:     | 55g             |

### 4. Performance Testing

Unless other requests , all tests are carried out in ambient temperature 20±5°C.

Tests should be made within 45 days after receipt of the batteries.



### Quality Data Inspection

Item	Measuring Procedure	Standard
1.Appearance	Visual check	Clean, unscratched and clearly labeled
2.Dimensions	Measured by calipers with precision of 0.02mm	Max $\phi$ 26.2×50.0mm
3.Weight	Weighed by balance with precision of 0.1g	Max 55g
4.Open-circuit voltage	Measure by volt-meter with precision of 0.01V	$\geq$ 3.65V
5.Operating voltage	Measure by volt-meter with precision of 0.01V, connecting an impedance of 330 $\Omega$ in series, Reaching the target voltage in 5 seconds.	$\geq$ 3.45V
6.Nominal discharge	330 $\Omega$ , 20 $\pm$ 2 $^{\circ}$ C, Constant discharge to 2.0V.	$\geq$ 7500mAh
7.Rapid discharge	62 $\Omega$ , 20 $\pm$ 2 $^{\circ}$ C, Constant discharge to 2.0V.	$\geq$ 6500mAh
8. Discharge at high temperature	Put battery in constant ambient temperature of 55 $\pm$ 2 $^{\circ}$ C for 16 hours, discharge at 330 $\Omega$ to 2.0V/cell.	$\geq$ 7800mAh
9.Discharge at low temperature	Put battery in constant ambient temperature of -40 $\pm$ 2 $^{\circ}$ C for 16 hours, discharge at 1200 $\Omega$ to 2.0V/cell	$\geq$ 4800mAh
10.Charge	Prohibited	Prohibited
11.Over-discharge	Prohibited	Prohibited
12.Self discharge	Store the batteries at constant temperature of 20 $\pm$ 5 $^{\circ}$ C, Measure the nominal capacity yearly for 10 years.	$\leq$ 1%

# Sonikcell

Rechargeable Battery

## SPECIFICATION

**Model: SRB LI ER26500**

## Li-SOCl<sub>2</sub>

Thionyl Chloride Lithium Battery

● **Characteristics:**

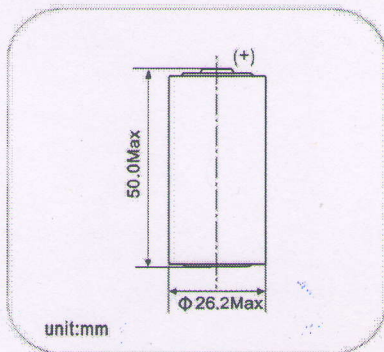
- ▲ Nominal capacity (2mA to 2.0V).....9Ah
- ▲ Nominal voltage.....3.6V
- ▲ Max. Continuous current.....200mA
- ▲ Max. Pulse current.....400mA
- ▲ Weight.....55g
- ▲ Dimension..... $\phi$ 26.2\*50.0mm
- ▲ Operating temperature range.....-55°C ~ +85°C

● **Terminals available:**

- AX.....axial leads
- T.....welding pins
- P.....plastic plug

● Special design is acceptable

◆ Data above is for reference



● **Characteristic curves**

