

Primary lithium-thionyl chloride(Li-SOCl₂)

ER18505M

Electrical Characteristics

Typical values relative to cells stored for one year or less at + 25°C max.

Nominal Voltage **3.6V**

Nominal Capacity

At 5mA, +23°C, 2.0V cut-off. The capacity restored by the cell varies according to current drain, temperature and cut-off. The cut-off voltage below 2.0V, consult GREEN ENERGY.

3800mAh

Max. Recommended Continuous Current

At 600mA, +23°C, 2.0V cut-off. The capacity was 50% of nominal capacity.

600mA

Max. Pulse Current

1000mA/0.1second pulses, drained every 2 min at +23°C from undischarged cells with 10uA base current, yield voltage readings above 3.0V. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions. Consult GREEN ENERGY.

1000mA

Storage (Recommended)

+20°C ~ +25°C

Operating Temperature Range

Operation above ambient temperature may lead to reduced capacity and lower voltage readings at the beginning of pulses.

-55°C ~ +85°C

Diameter

Max. 18.5mm

Height

Max. 51mm

Typical Weight

Approx. 32g

Li Metal Content

Approx. 0.9g



A-size spiral cell

Key Features

- High and stable operating voltage
- Low self-discharge rate (less than 2% after 1 year of storage at +20°C)
- Wide operating temperature range (-55°C ~ +85°C)/(-67°F ~ +185°F)
- Stainless steel container and cap
- Hermetic glass-to-metal sealing
- RoHS compliant

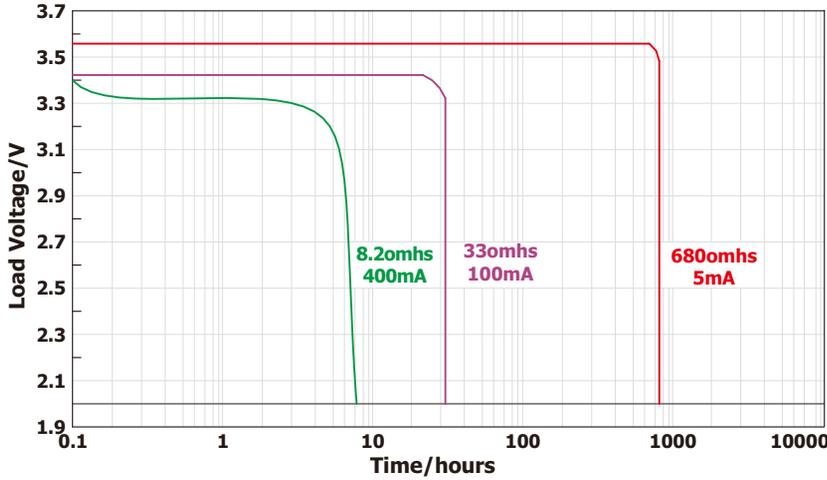
Main Applications

- Radiocommunication and other military applications
- Alarms and security systems
- Beacons and emergency location transmitters
- GPS
- Metering systems
- Tracking systems
- GSM communication

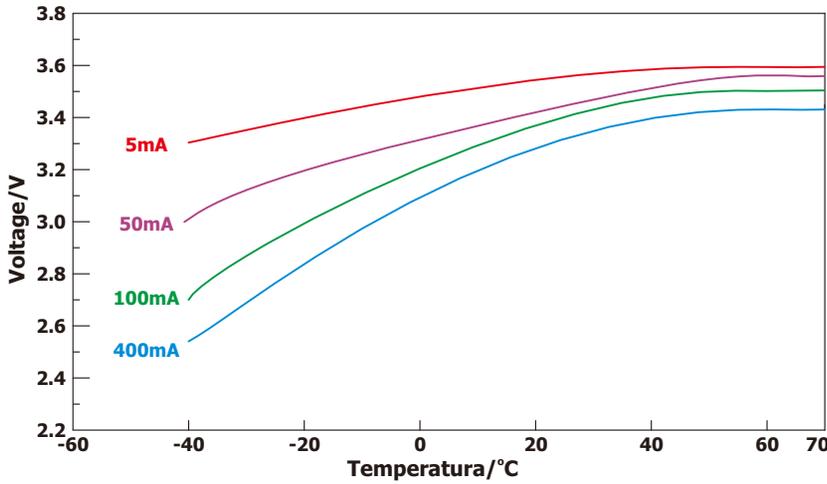
Note:Information above just for your reference, more details please contact Green Energy Battery Co.,Ltd.

Performance

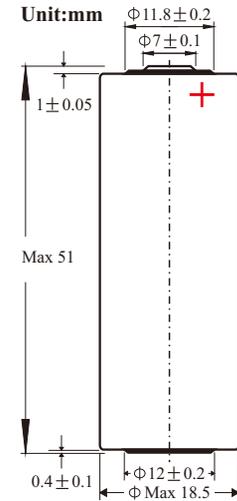
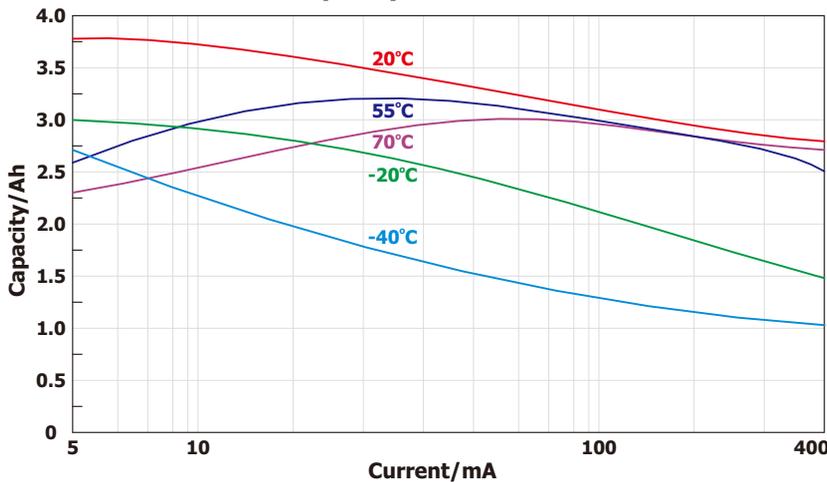
Typical discharge characteristic at 23°C



Voltage vs Temperature



Capacity vs Current



Available Terminations

- Tag1 (radial tabs)
- 2P, 3P, 3P-RP, 3P-S, 3P-S-RP (radial pins)
- AX (axial leads)
- Connector, Flying Leads...etc.

Warnings

- Fire, explosion and burn hazard.
- Do not recharge, short circuit, crush, disassemble, heat above 100°C (212°F), incinerate, or expose contents to water.
- Do not solder directly to the cell (use tabbed cell versions instead).
- Do not overdischarge, end voltage is 2.0V.

Storage

- The storage area should be clean, cool (preferably not exceeding +25°C), dry and ventilated.

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