

Primary lithium-thionyl chloride(Li-SOCl₂)

ER14335

Electrical Characteristics

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

Nominal Voltage **3.6V**

Nominal Capacity

At 1mA, +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.

1600mAh

Max. Recommended Continuous Current

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

50mA

Max. Pulse Current

100mA/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.

100mA

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. 14.5mm

Height

Max. 34mm

Typical Weight

Approx. 13g

Li Metal Content

Approx. 0.48g



2/3AA-size bobbin cell

Key Features

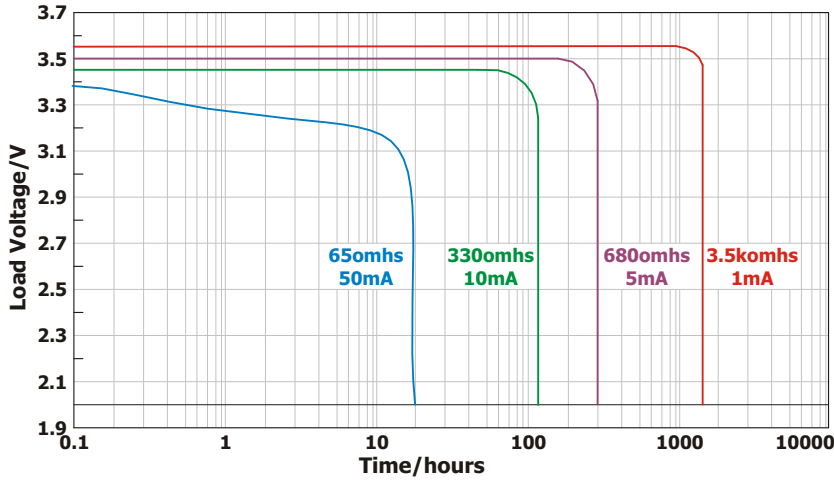
- High and stable operating voltage
- Low self-discharge rate (less than 2% after 1 year of storage at +20°C)
- Wide operating temperature range (-55°C ~ +85°C)/(-67°F ~ +185°F)
- Stainless steel container and cap
- Hermetic glass-to-metal sealing
- Non-restricted for transport

Main Applications

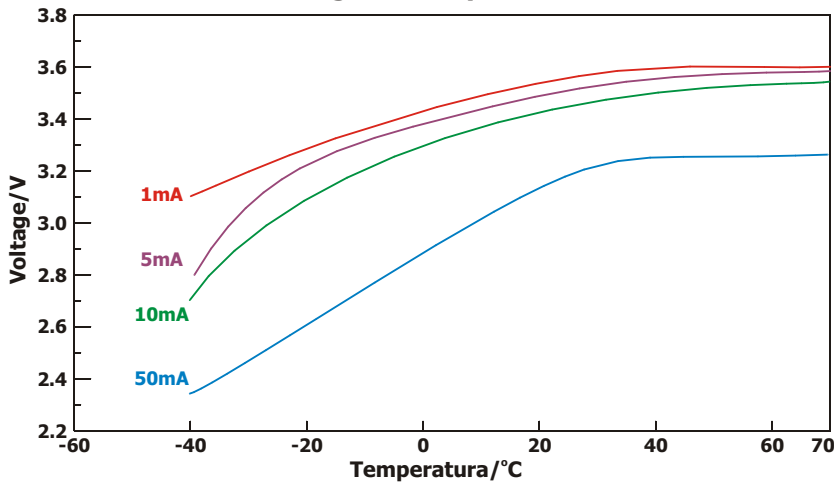
- Utility metering
- Alarms and security devices
- Memory back-up
- Tracking systems
- Automotive electronics
- Professional electronics

Performance

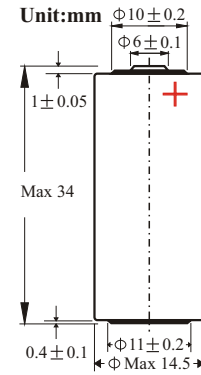
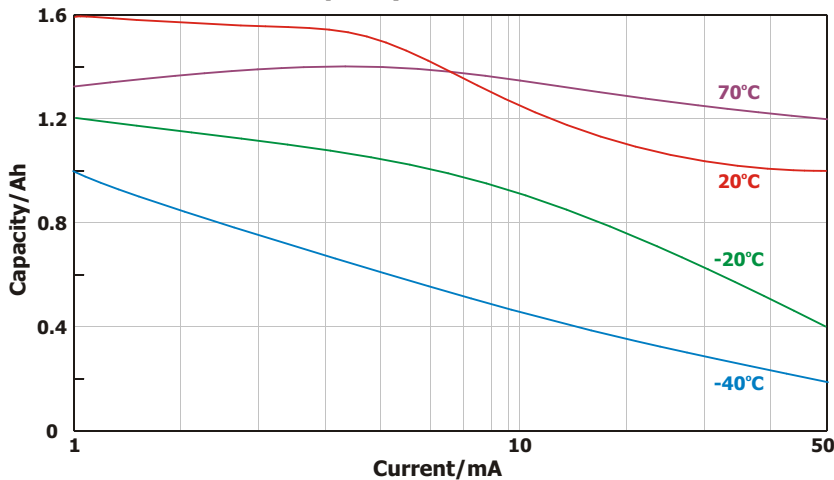
Typical discharge characteristic at 23°C



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.