



MODEL ER14250
Lithium Thionyl Chloride
(Li-SOCl₂) Battery

(International size reference: 1/2AA, ER14250)

ELECTRICAL CHARACTERISTICS

(Typical values for cells stored for one year or less, at +30°C max.)

■ **Nominal capacity** **1.20Ah**
 (At 1.0 mA, +20°C, 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off voltage.)

■ **Nominal voltage** **3.6 V**

■ **Maximum recommended continuous current** **35 mA**
 (Higher currents possible, consult OmniCel)

■ **Maximum pulse capability:** **Typically up to 50 mA**

■ **Storage** (Recommended) **+30°C max.**
 (For more severe condition consult OmniCel)

■ **Operating temperature range** **-55°C / +85°C**
 (Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)

KEY FEATURES

- ✓ High and stable operating voltage
- ✓ High minimum voltage during pulsing
- ✓ Low self discharge rate (less than 1% after 1 year of storage at +25°C)
- ✓ Stainless steel container
- ✓ Hermetic glass-to-metal sealing
- ✓ Non-flammable electrolyte
- ✓ Non-restricted for transport
- ✓ Compliant with IEC 60086-4 safety standard and EN 60079-11 intrinsic safety standard
- UL Underwriters Laboratories (UL) Component Recognition (File Number MH 28717)

MAIN APPLICATIONS

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

⚠ WARNING:

Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 212°F (100°C), incinerate, or expose contents to water. Do not solder directly to the cell, use tabbed cell instead.