



MODEL ER14505
Lithium Thionyl Chloride
(Li-SOCl₂) Battery

(International size reference: AA, ER14505)

ELECTRICAL CHARACTERISTICS

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

■ Nominal capacity	2.80Ah
(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 continuous current	60 mA
(Higher currents possible, consult OmniCel)	
■ Maximum pulse capability:	Typically up to 150 mA
■ Storage	+30°C max.
(Recommended) (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.