



MODEL ER26500
Lithium Thionyl Chloride
(Li-SOCl₂) Battery

(International size reference: C, ER26500)

ELECTRICAL CHARACTERISTICS

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

■ **Nominal capacity** **8.50Ah**
 (At 4.0 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** **150 mA**
 (Higher currents possible, consult OmniCel)

■ **Maximum pulse capability:** **Typically up to 200 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
- ✓ Restricted for transport (Class 9)
- ✓ Compliant with IEC 60086-4 safety standard and EN 60079-11 intrinsic safety standard
- UL Underwriters Laboratories (UL) Component Recognition (File Number MH 28717)

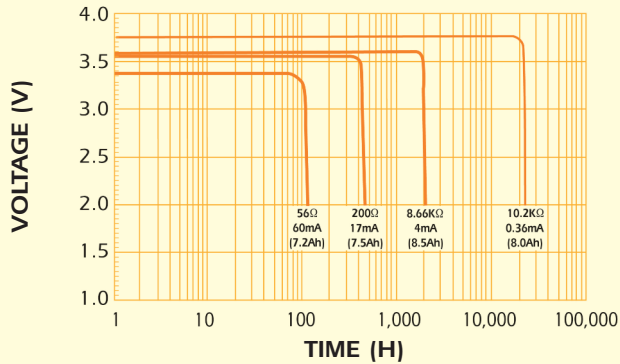
MAIN APPLICATIONS

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

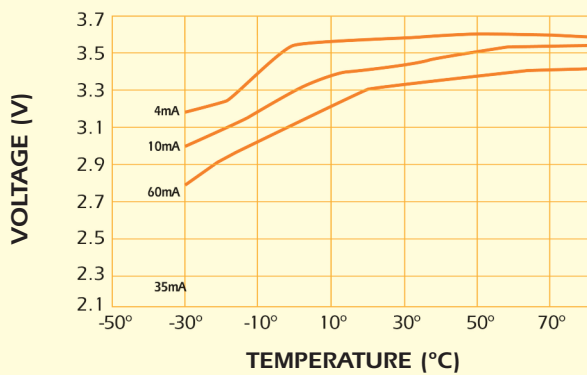
WARNING:

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.

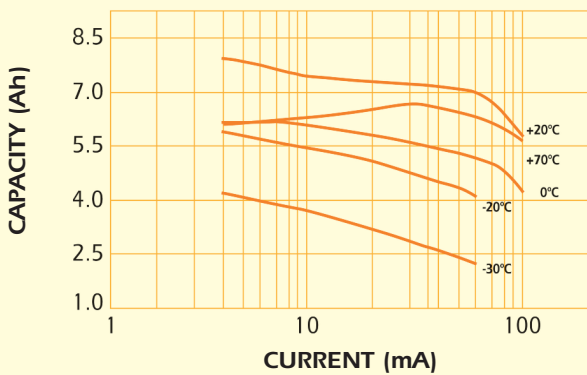
Typical Discharge Profile @ +20°C (Typical value)



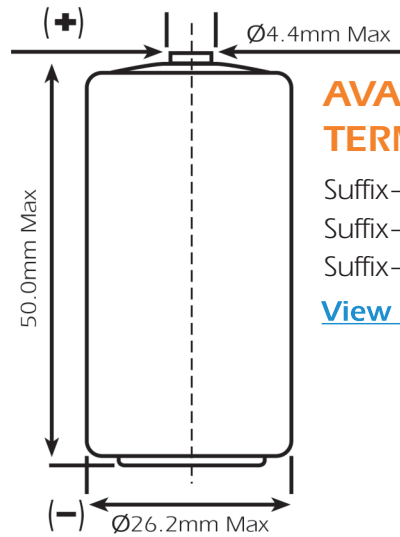
Voltage Plateau versus Current and Temperature (At min. discharge)



Capacity versus Current and Temperature (2.0 V cut off) (Typical value)



ER26500



AVAILABLE TERMINATIONS

Suffix-/S	Standard
Suffix-/T	Solder Tabs
Suffix-/W	Wire Leads

[View available terminations](#)

Physical Characteristics

Diameter (max)	26.2 mm (1.031")
Height (max)	50.0 mm (1.970")
Typical weight	52 g (1.834 oz)
Lithium content	2.20 g (0.077 oz)

Storage Characteristics

