



MODEL ER26500HD
Lithium Thionyl Chloride
(Li-SOCl₂) Battery

(International size reference: C, ER26500M)

ELECTRICAL CHARACTERISTICS

(Typical values for cells stored for one year or less, at +25°C)

■ **Nominal capacity** **6.5 Ah**
 (At 10.0 mA, +25°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** **800 mA**
 (Maximum continuous current to maintain cell heating within safe limits.)
 (Higher currents possible, consult OmniCel.)

■ **Maximum pulse capability** **2,000 mA**
 2000mA / 1 second pulses, drained every 10 seconds at +20°C from undischarged cells with 10 μA base current, yield voltage reading above 3.0V.
 Pulse capability varies according to pulse characteristics (frequency and duration), temperature, cell history (storage conditions prior to usage) and the application's acceptable minimum voltage.

■ **Storage** (Recommended) **+30°C max**
 (Possible without leakage) **-55° / +100°C**

■ **Operating temperature range** **-40° / +85°C**
 (Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)

⚠ 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.

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
- ✓ PTC over-current protection (3-5A)
- ✓ Hermetic glass-to-metal sealing
- ✓ Non-flammable electrolyte
- ✓ Compliant with IEC 86-4 safety standard and EN 50020 intrinsic safety

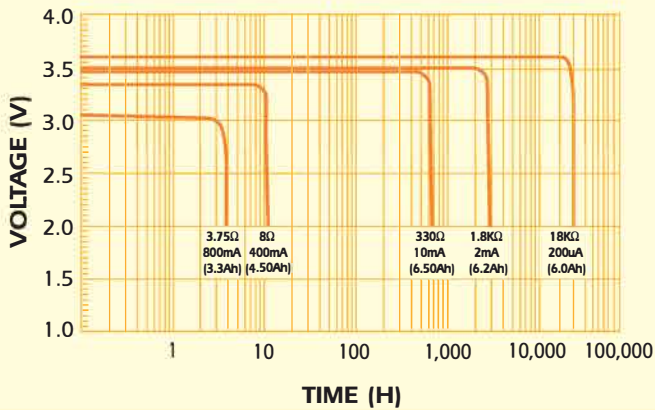
⚠ Underwriters Laboratories (UL) Component Recognition (File Number MH 47566)

MAIN APPLICATIONS

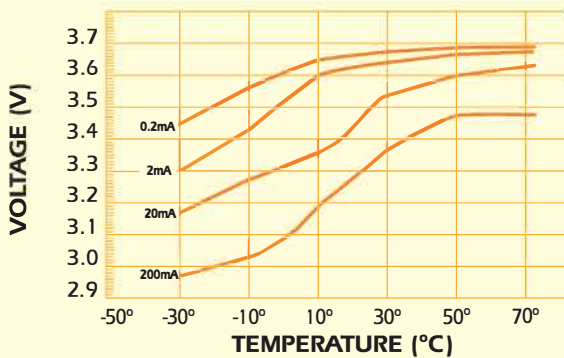
- ✓ Utility metering
- ✓ Military electronics
- ✓ Alarms and security devices
- ✓ Memory back-up
- ✓ Tracking systems
- ✓ Automotive electronics
- ✓ Professional electronics ... etc.

Note: Information in this document is subject to change without notice. Any representations in this data sheet concerning performance are for informational purpose only and are not construed as warranties, either expressed or implied, of future performance.

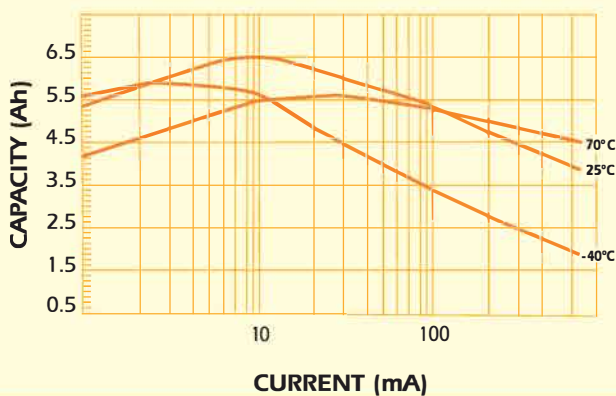
Discharge Characteristics @+25°C



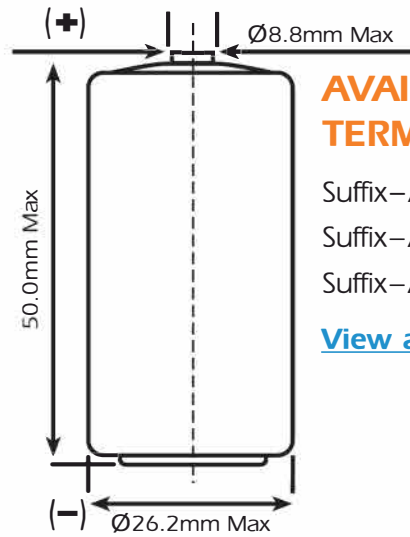
Voltage versus Temperature



Capacity versus Current



ER26500HD



AVAILABLE TERMINATIONS

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

[View available terminations](#)

Physical Characteristics

■ Diameter (max)	26.2 mm (1.03")
■ Height (max)	50.0 mm (1.97")
■ Typical weight	52 g (1.83 oz)
■ Lithium content	1.55 g (0.054 oz)

Pulse Discharge Characteristics

