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.)

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.

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.