

fullwat[®]
professional *solutions*

FU-PL-ER26500 • Lithium-Thionyl Chloride Battery



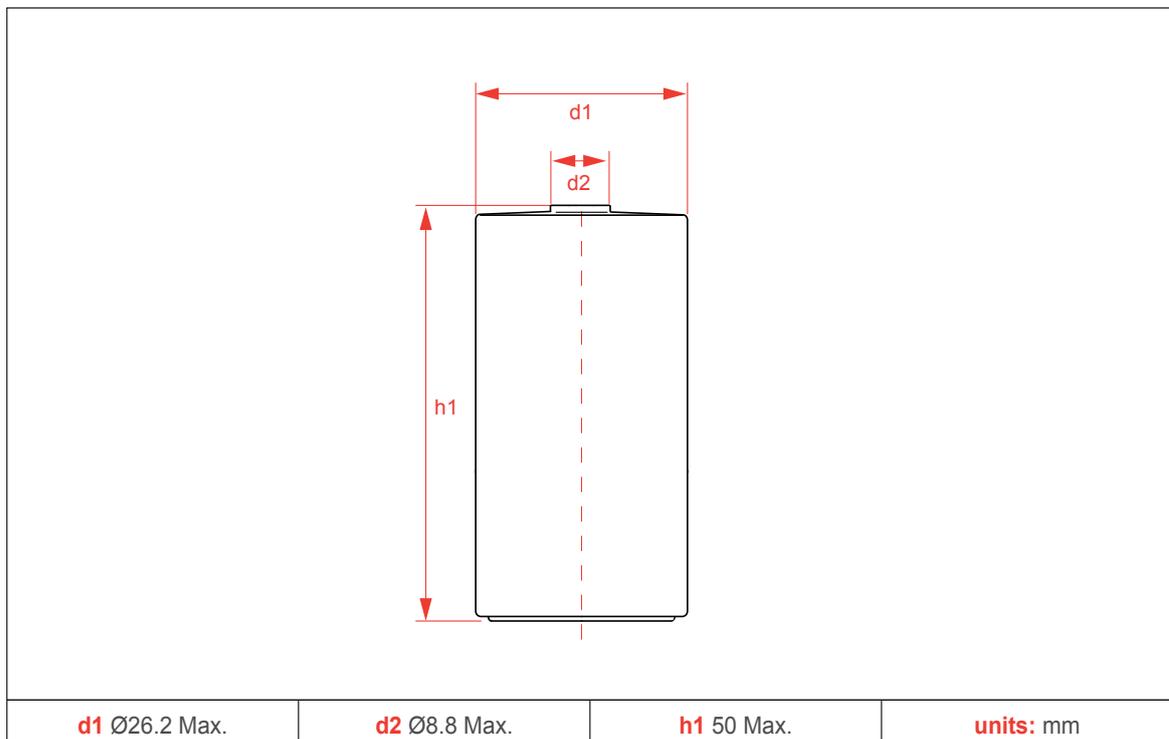
FU-PL-ER26500 • Lithium-Thionyl Chloride Battery

1. Electrical Characteristics

| | | |
|---|---|---|
| Nominal capacity | 8.50Ah | Typical values for cells stored for one year or less, at 25°C |
| Nominal voltage | 3.6V | At 4.0 mA, +25°C, 2.0V cut off. The capacity restored by the cell varies according to current |
| Maximum recommended continuous current | 150mA | To get 50% of the nominal capacity at +25°C with 2.0V cut off. Higher currents possible, consult FULLWAT |
| Pulse capability | Typically up to 300mA. 300mA/0.1 second pulses, drained every 2 mins at 25°C from undischarged cells with 10µA base current, yield voltage readings above 3.0V. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history. Fitting cell with a capacitor may be recommended in severe conditions Consult FULLWAT | |
| Storage | 30°C | Recommended. For more severe condition consult FULLWAT |
| Operating temperature range | -60°C/+85°C | Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings |
| Typical weight | 52g | |

Warning:

Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 100°C, incinerate, or expose contents to water.



FU-PL-ER26500 • Lithium-Thionyl Chloride Battery

2. Available terminations

- Suffix-/S • Standard
- Suffix-/T • Solder Tabs
- Suffix-/W • Flying Leads

3. Applications

| Main Application | Benefits | Key Features |
|-------------------------------|---|---|
| Utility metering | High voltage response | Low self discharge rate (less than 1% after 1 year of storage at +25°C) |
| Alarms and security devices | Wide operating temperature range -40~85°C | Stainless steel container |
| Memory back-up | High minimum voltage during pulsing | Hermetic glass-to-metal sealing |
| Tracking systems | Excellent low temperature performance | Non-flammable electrolyte |
| Automotive electronics | Finish with fuse (3.5A) | Non-restricted for transport |
| Professional electronics etc. | Built-in safety vent | Compliant with IEC 86-4 safety standard and EN 50020 |

4. Marking

The following markings will be printed, stamped or impressed on the body of the battery:

- (1) Designation: FU-PL-ER26500
- (2) Manufacturer's name or abbreviation: 
- (3) Nominal voltage: 3.6V
- (4) Polarity: "+" or "-"

5. Caution for Use

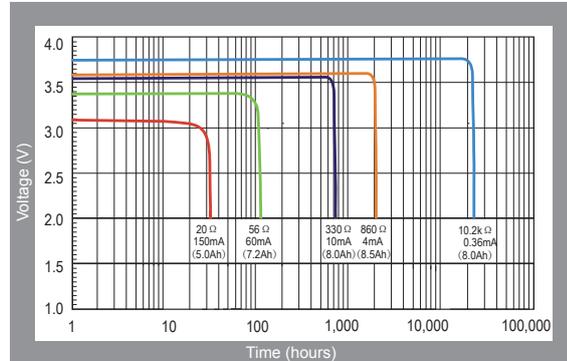
- (1) Since the battery is not manufactured for recharging, there are risks of electrolyte leakage or causing damage to the device if the battery is charged.
- (2) The battery shall be installed with its "+" and "-" in correct position.;
- (3) Short circuiting, heating, throwing into fire and disassembling the battery shall not be done.

6. Warranty

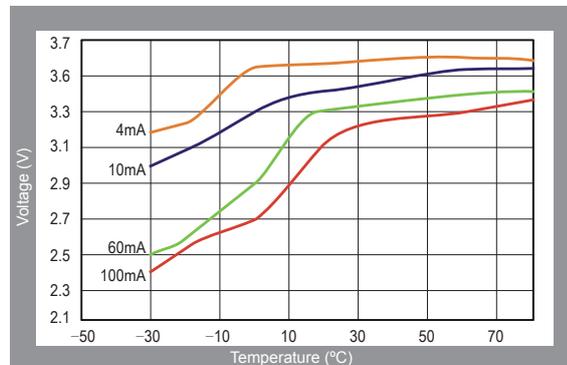
The warranty is specified in our warranties section of Terms of Sales. If the product is to be stored for more than three months it is necessary to perform the appropriate maintenance to ensure the good condition of the batteries. Consult our annex to the Terms of Sales on the recommended maintenance.

FU-PL-ER26500 • Lithium-Thionyl Chloride Battery

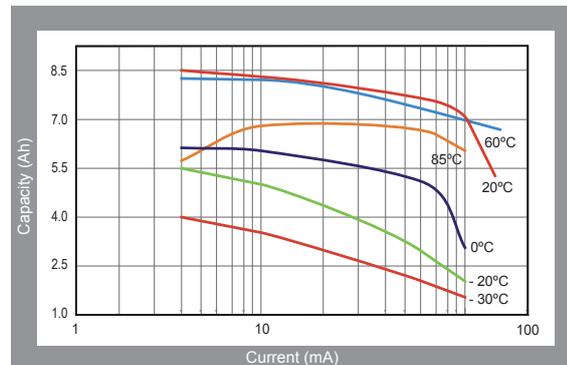
7. Discharge Characteristics +25°C



8. Voltage vs. temperature



9. Capacity vs. current



10. Storage Characteristics

