Lithium-Thionyl Chloride(Li-SOCl$_2$) Battery

ER14250V

International size reference: 1/2AA

ELECTRICAL CHARACTERISTICS

(Typical values for cells stored for one year or less, at 25℃)

Nominal capacity 1.2Ah

(At 1.0 mA, +25℃, 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off voltage.)

Nominal voltage 3.6V

Maximum recommended continuous current 40mA

(To get 50% of the nominal capacity at +25℃ with 2.0V cut off. Higher currents possible, consult EVE.)

Pulse capability: Typically up to 100mA(100mA/0. 1 second pulses, drained every 2 min at 25℃ 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 EVE.)

Storage (Recommended) 30℃ max

(For more severe condition consult EVE)

Operating temperature range -55℃ / +85℃

(Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)

Typical weight 10g

KEY FEATURES

- ✔ High and stable operating voltage
- ✔ High minimum voltage during pulsing
- ✔ Low self discharge rate (less than 1% after1 year of storage at+25℃)
- ✔ Stainless steel container
- ✔ 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 MH28717)

MAIN APPLICATIONS

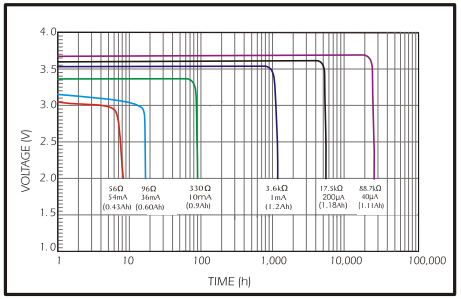
- ✔ Utility metering
- ✔ Alarms and security devices
- ✔ Memory back-up
- ✔ Tracking systems
- ✔ Automotive electronics
- ✔ Professional electronics ... etc.

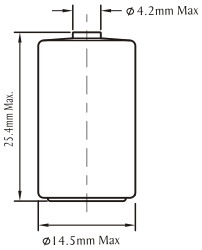
WARNING:

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

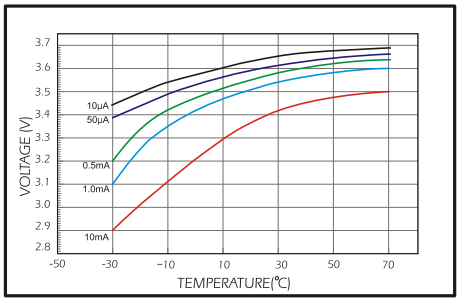
Note: Any representations in this data sheet concerning performance are for informational purpose only and are not construed as warranties, either expressed or implied, of future performance.

1.DISCHARGE CHARACTERISTICS@+25℃





2. VOLTAGE VS. TEMPERATURE

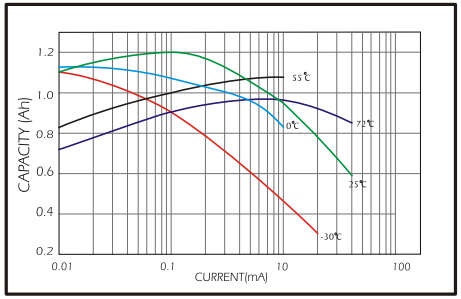


AVAILABLE TERMINATIONS

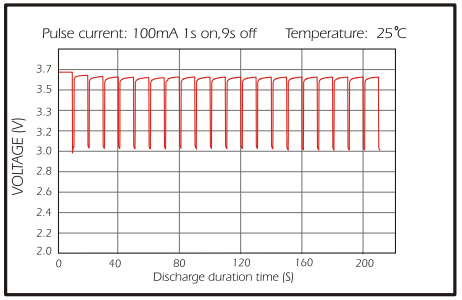
Suffix-/S	Standard
Suffix-/P	Axial Pins
Suffix-/T	Solder Tabs
Suffix-/2PT	Radial Pins
Suffix-/3PT/3TP	Radial Pins

View available terminations

3. CAPACITY VS. CURRENT



4. PULSE DISCHARGE CHARACTERISTICS



EVE ENERGY CO., LTD.
Address.:EVE Industrial Park, XiKeng Industrial zone, Huihuan Town, Huizhou, Guangdong, China
Operator: (86-752)260 6966 Direct:(86-752)261 0582
Fax: (86-752)260 6033 P.C.516006
http:// www.evebattery.com Email: sales@evebattery.com

Latest version can be downloaded from the EVE website

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