Technical Specification

ENERGY VERY ENDURE

ER34615

Lithium-thionyl Chloride
(Li-$SOCl_2$) Battery

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.

ELECTRICAL CHARACTERISTICS

(typical values for cells stored for one year or less, at 25 C)

- ***Nominal capacity*** — **19.0Ah**
  (at2.0mA, +25℃, 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off voltage.)

- ***Rated voltage*** — **3.6V**

- ***Maximum recommended continuous current*** — **230mA**
  (To get 50% of the nominal capacity at +25℃ with 2.0V cut off. Higher currents possible, consult EVE.)

- ***Pulse capability:*** *Typically up to 400mA (400mA /0.1 second pulses, drained every 2 min at 25 ℃ from undischarged cells with 10μA base current, yield voltage readings above 3.0 V. 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°C max**
  (for more sev ere condition consult EVE)

- ***Operating temperature range*** — **-55° C / +85° C**
  (Operation at temperatur e different from ambient may lead to reduced capacit y and lower voltage plateau readings .)

- ***Typical weight*** — **100g**

WARNING:

Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 100°C, 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.

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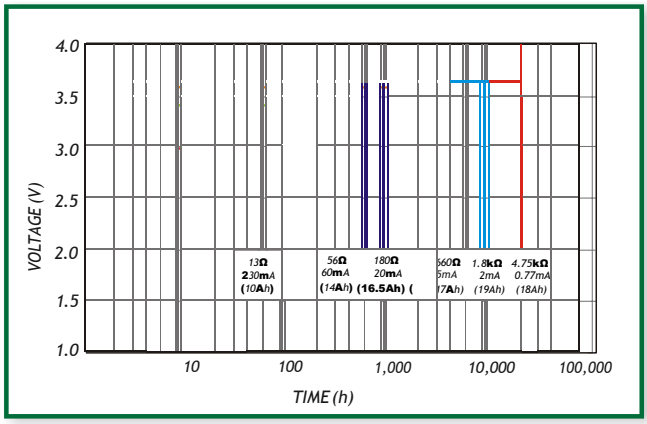
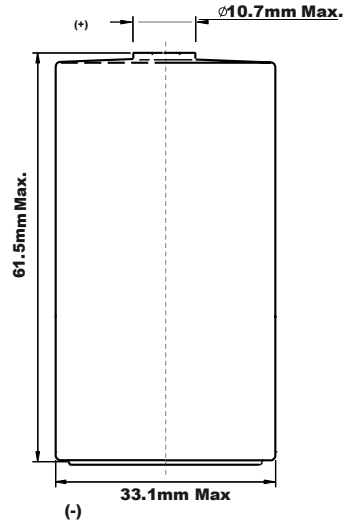
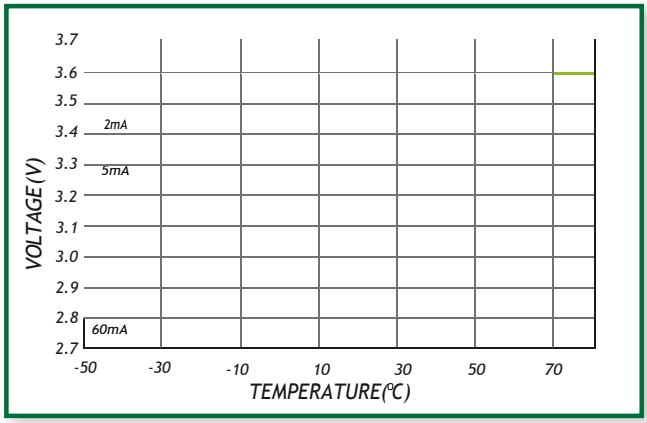
1. DISCHARGE CHARACTERISTICS@+25°C





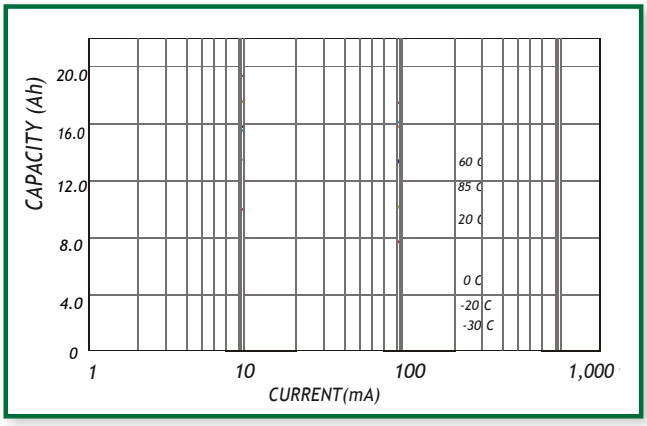
2. VOLTAGE VS. TEMPERATURE



AVAILABLE TERMINATIONS

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

3. CAPACITY VS. CURRENT



4. STORAGE CHARACTERISTICS