EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

Technical Specification

ER34615

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

For demanding and potentially explosive atmospheres



International size reference: *D*

ELECTRICAL CHARACTERISTICS

(typical values for cells stored for one year or less, at +30℃ max.)

Nominal capacity *19Ah*

(At 2 mA, +20℃, 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 continuous current 100*mA*

(Higher currents possible, consult EVE.)

Maximum pulse capability: *Typical up to* 400*mA*

Storage *(recommended)* *+30℃ max*

(for more severe condition consult EVE)

Operating temperature range *-60℃ / +85℃*

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

Typical weight *100g*

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
- ✔ Restricted for transport(class 9)
- ✔ Compliant with IEC 60086-4 Safety standard and EN 60079 -11 intrinsic safety standard *(Class T4 assignment)*
- Underwriters Laboratories (UL) Component Recognition (File Number MH28717)

MAIN APPLICATIONS

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

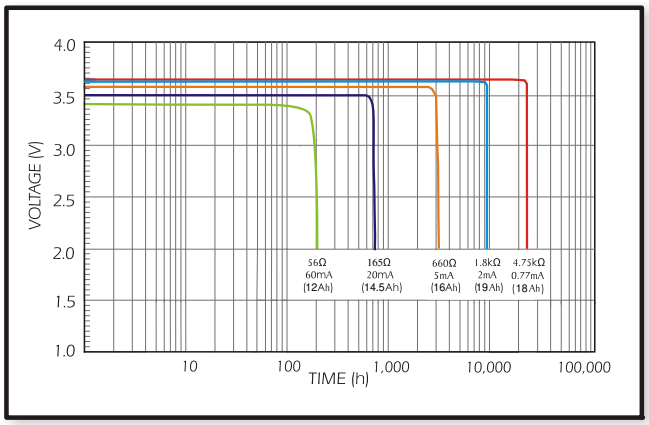
WARNING:

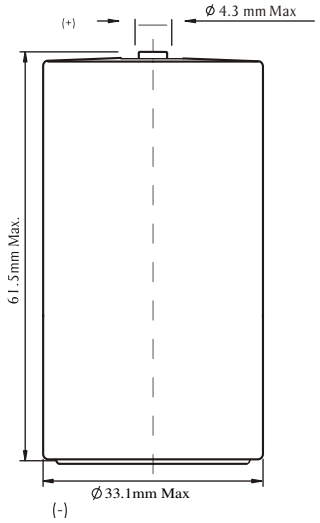
Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 100℃, incinerate, or expose contents to water.

Do not solder directery to the cell, use tabbed cell intead.

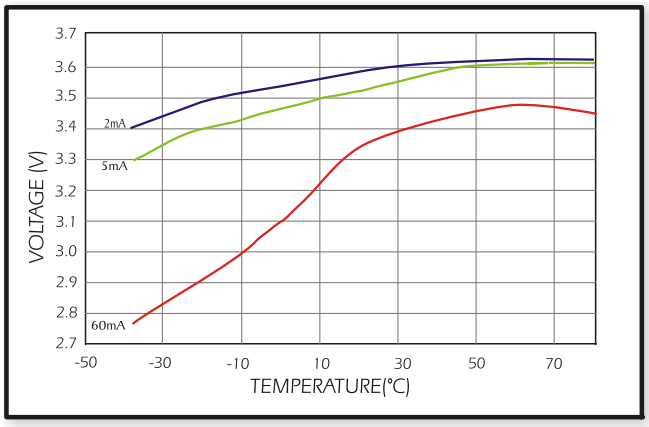
ER34615

1.Typical discharge profile at +20℃ (Median value)





2. Voltage plateau versus Current and Temperature (at mid-discharge)

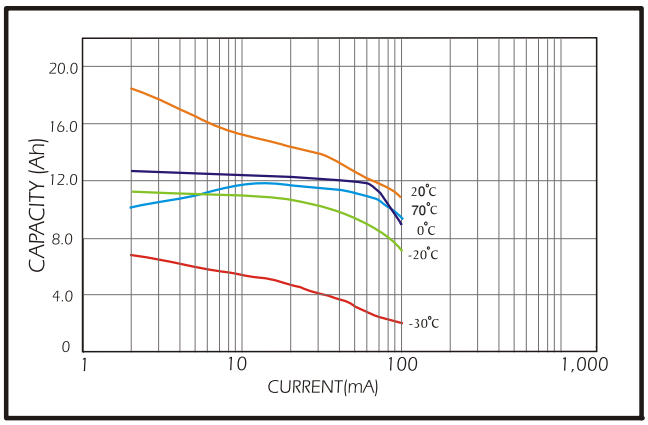


AVAILABLE TERMINATIONS

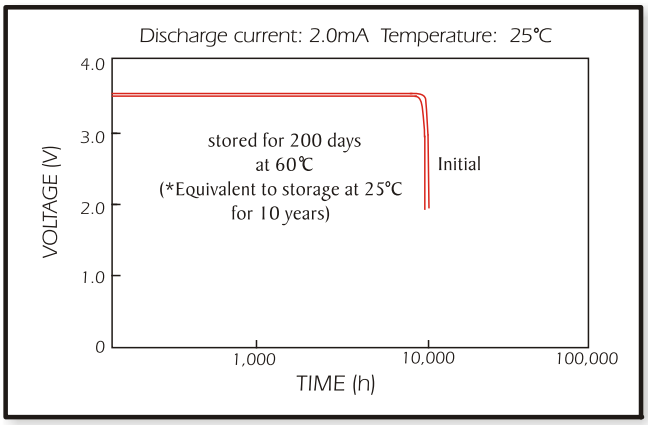
Suffix-/S	*Standard*
Suffix-/T	*Solder Tabs*
Suffix-/W	*Flying Leads*

View available terminations

3. Capacity versus Current and Temperature (2.0V cut off)



4. STORAGE CHARACTERISTICS



Attention:
Information in this document is subject to change without notice. Any representations in this document concerning performance are for informational purpose only. This document becomes contractual only after written confirmation by EVE.

EVE ENERGY CO., LTD.
Address.:EVE Industrial Park, XiKeng Industrial zone, Huihuan Town, Huizhou, Guangdong, China
Operator: (86-752)260 6966 Fax: (86-752)260 6033