



International size reference: CC

ER26102S-150

Lithium-thionyl Chloride
(Li-SOCl₂) Battery

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
- ✓ Hermetic glass-to-metal sealing
- ✓ Non-flammable electrolyte
- ✓ Restricted for transport (class 9)
- ✓ Compliant with IEC 86-4 safety standard and EN 50020 intrinsic safety

The United Nations (U.N)
Component Recognition
(File Number RZUN2011-044)

MAIN APPLICATIONS

- ✓ Utility metering
- ✓ Downhole oil & gas
 - Measurement While Drilling (MWD)
 - Logging While Drilling (LWD)
 - ... etc.

ELECTRICAL CHARACTERISTICS

(typical values for cells stored for one year or less, at +30°C)

Nominal capacity 16Ah

varies according to current drain, temperature and cut off voltage.)

Nominal voltage 3.6V

Maximum recommended continuous current 340mA
(To get 50% of the nominal capacity at +20°C with 2.0V cut off. Higher currents possible, consult EVE.)

Storage (Recommended) +30°C
(for more severe condition consult EVE)

Operating temperature range -40°C~+150°C
(Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings)

Cell Diameter (nominal) 25.4mm

Cell Length (nominal) 103.0mm

Cell Weight 99 g

Lithium Weight 4.2 g

WARNING:

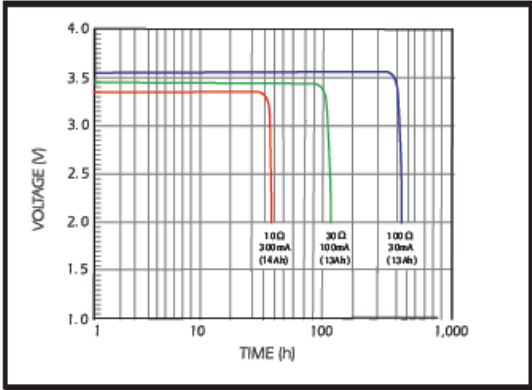
Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 165 C, incinerate, or expose contents to water.

V1202

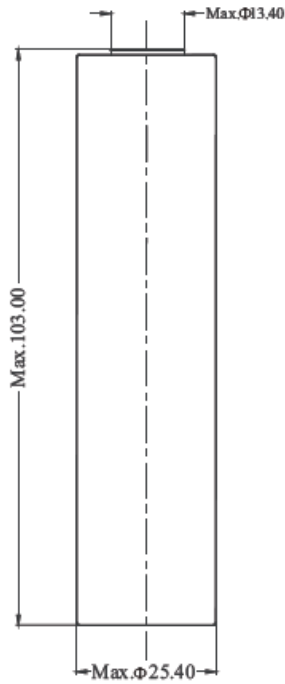
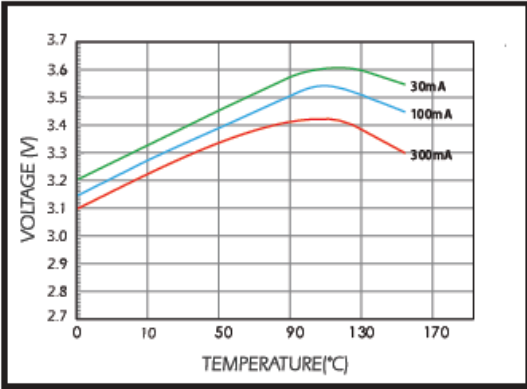
Note: Any representations in this data sheet concerning performance are for informational purpose only and are not construed as Warranties, either expressed or implied, of future performance.

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1. DISCHARGE CHARACTERISTICS@+150°C

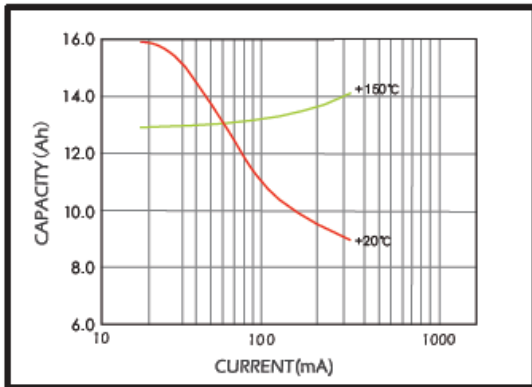


2. VOLTAGE VS. TEMPERATURE

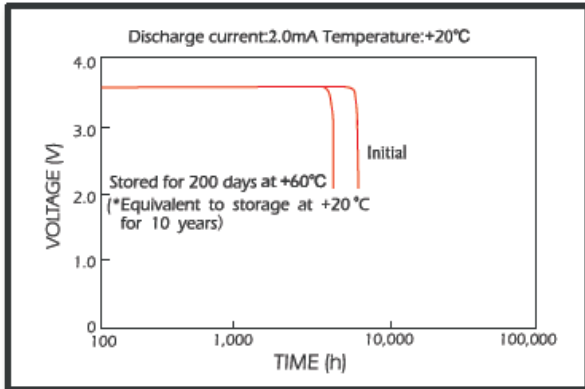


UNIT: mm

3. CAPACITY VS. CURRENT



4. STORAGE CHARACTERISTICS



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

<http://www.evebattery.com> Email: sales@evebattery.com

Latest version can be downloaded from the EVE website

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