Technical Specification

ENERGY VERY ENDURE

ER34615S

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

International size reference: D .

Electrical characteristics

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

- Nominal capacity — 13.0Ah
  (At 5.0mA, +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** — 100mA
  (Higher currents possible, consult EVE.)
- **Maximum pulse current capability** — 200mA
- **Rated 1 sec.pulse capability(to 3V)** — 60mA

  Pulse capability varies according to pulse characteristics (frequency duration), temperature, cell history (storage conditions prior to usage) and the application' s acceptable minimum voltage.
- **Storage** (recommended) — 30℃ max
  (possible without leakage) — -55℃~+180℃
- **Operating temperature range** — -40℃~+150℃
  (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% after 1 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 Recongnition (File Number MH 28717)

MAIN APPLICATIONS

- ✔ Pipeline Inspection Gauges
- ✔ Oceanographic Instrumentation
- ✔ Portable Instrumentation
- ✔ Guidance and Control Systems
- ✔ Communications Equipment
- ✔ Professional electronics …etc.

WARNING:

Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 180℃, incinerate, or expose contents to water. Do not solder directly to the cell.

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

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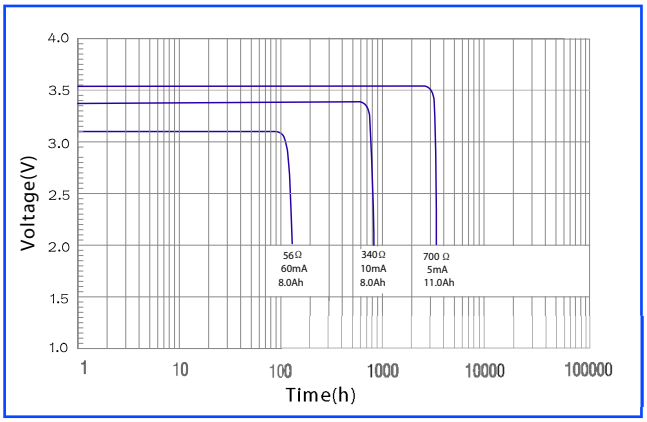
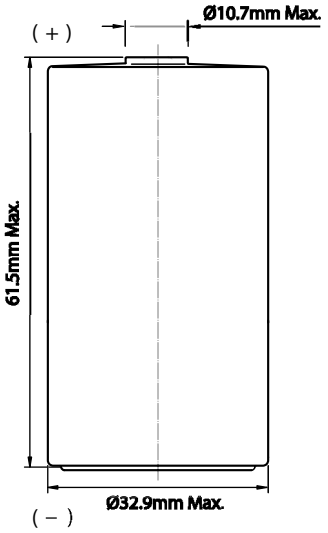
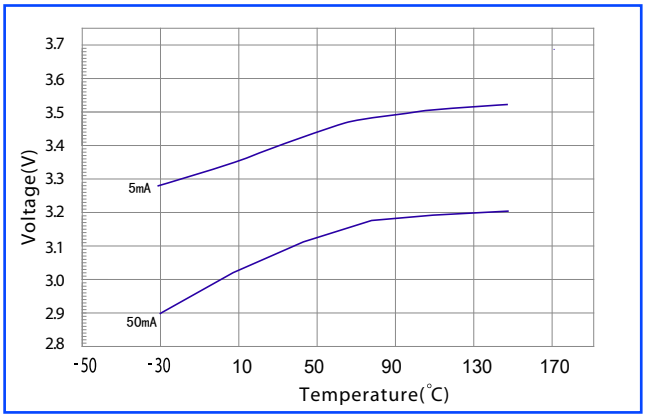
1.DISCHARGE CHARACTERISTICS@+150℃





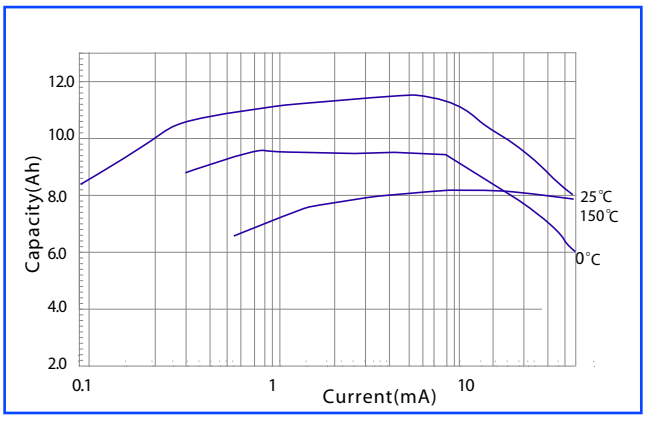
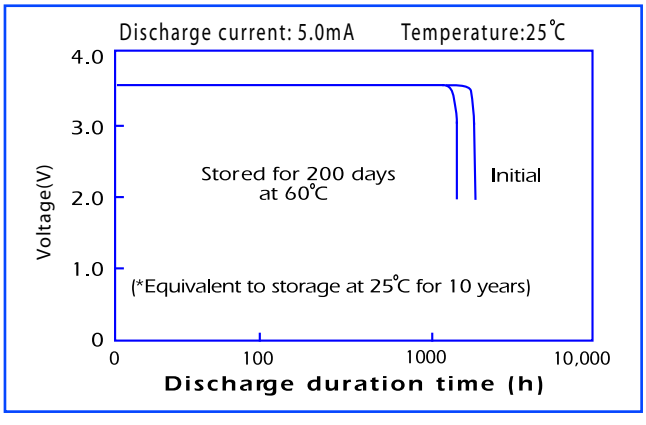
2.VOLTAGE VS. TEMPERATURE



AVAILABLE TERMINATIONS:

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

3.CAPACITY VS. CURRENT



4.VOLTAGE VS. TEMPERATURE