



ER49L65

Lithium-thionyl Chloride
(Li-SOCl₂) Battery

Electrical characteristics

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

● Nominal capacity		2.60Ah
(At 2.5mA, +25 °C, 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		50mA
(Higher currents possible, consult EVE.)		
● Maximum pulse current capability		150mA
● 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 °C max
	(possible without leakage)	-55 °C~+120 °C
● Operating temperature range		-55 °C~+85 °C
(Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)		
● Typical weight		44g

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
- ✓ Compliant with IEC 86-4 safety standard and EN 50020 intrinsic safety
- ✓ Non restricted for transport
- ✓ Underwriters Laboratories (UL) component Recognition (File Number MH 28717)

MAIN APPLICATIONS

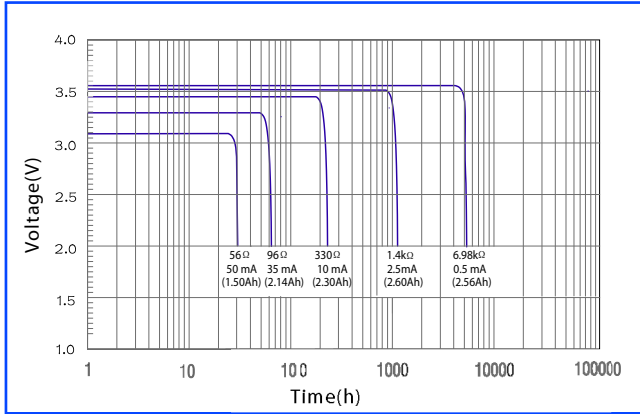
- ✓ Utility metering
- ✓ Alarms and security devices
- ✓ Memory back-up
- ✓ Tracking systems
- ✓ Automotive electronics
- ✓ Professional electronics ... etc.

⚠ WARNING:

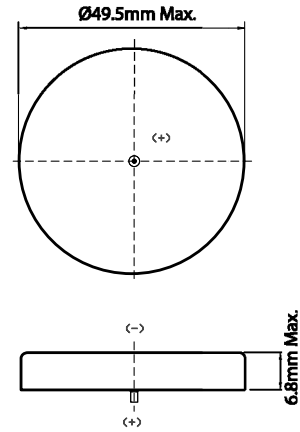
Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 100 °C, incinerate, or expose contents to water. Do not solder directly to the cell.

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

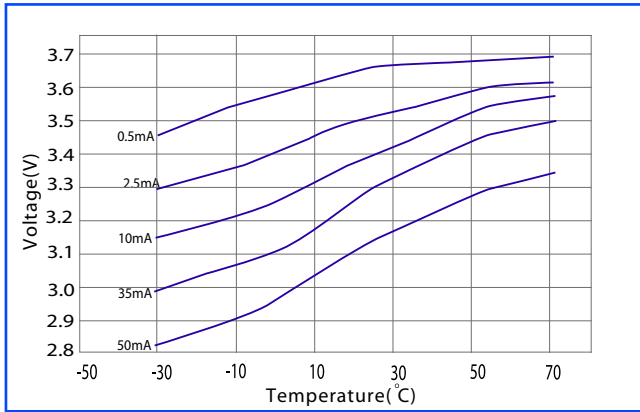
1. DISCHARGE CHARACTERISTICS@+25°C



ER49L65



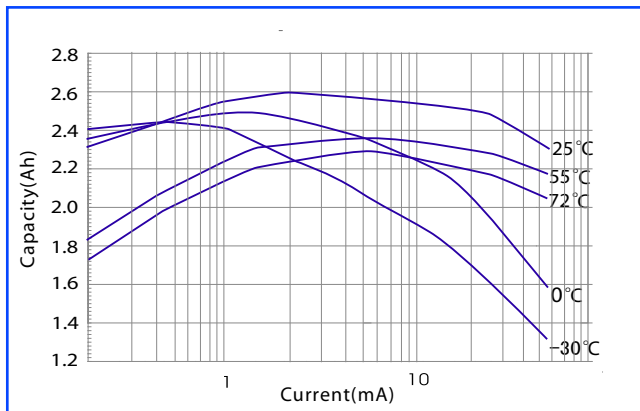
2. VOLTAGE VS. TEMPERATURE



AVAILABLE TERMINATIONS:

Suffix-/T Tinned Nickel Pins

3. CAPACITY VS. CURRENT



4. STORAGE CHARACTERISTICS

