

Lithium-Thionyl Chloride(Li-SOCl<sub>2</sub>) Battery

# ER32L65



International size reference: 1/10D

## ELECTRICAL CHARACTERISTICS

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

**Nominal capacity** 1.0Ah

(At 1.0 mA, +25°C, 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 recommended continuous current** 10mA

(To get 50% of the nominal capacity at +25°C with 2.0V cut off. Higher currents possible, consult EVE.)

**Maximum pulse current capability** 50mA

Rated 1 sec. pulse capability(to 3V) 20mA

**Pulse capability** varies according to pulse characteristics (frequency and duration), temperature, cell history (storage conditions prior to usage) and the application's acceptable minimum voltage.

**Storage** (Recommended) 30°C max

(For more severe condition consult EVE)

**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** 19g

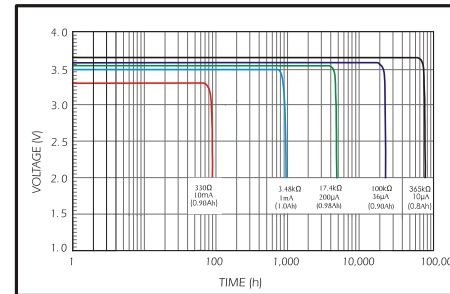
### KEY FEATURES

- ✓ 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
- UL Underwriters Laboratories (UL) Component Recognition (File Number MH28717)

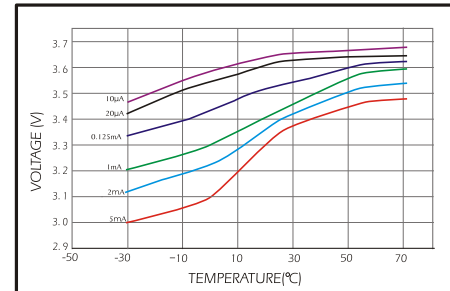
### MAIN APPLICATIONS

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

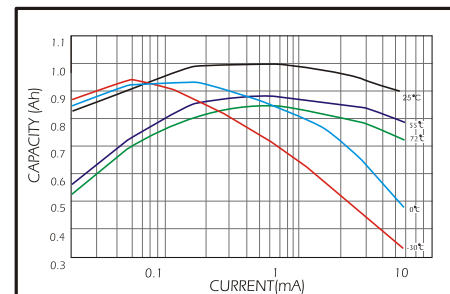
### 1.DISCHARGE CHARACTERISTICS@+25°C



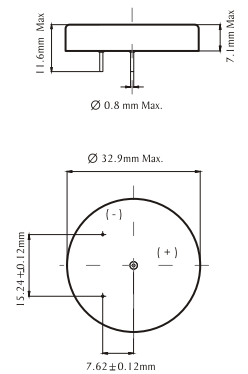
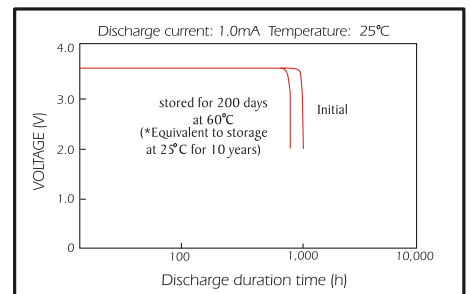
### 2. VOLTAGE VS. TEMPERATURE



### 3. CAPACITY VS. CURRENT



### 4. STORAGE CHARACTERISTICS



AVAILABLE TERMINATIONS

Suffix: -P Tinned Nickel Pins

### 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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Latest version can be downloaded from the EVE website

2010-03