



MODEL ER34615
Lithium Thionyl Chloride
(Li-SOCl₂) Battery
 (International size reference: D, ER34615)

ELECTRICAL CHARACTERISTICS

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

Nominal capacity (At 2.0 mA, +20°C, 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off voltage.)	19Ah
Nominal voltage	3.6 V
Maximum continuous current (Higher currents possible, consult OmniCel)	230 mA
Maximum pulse capability:	Typically up to 300 mA
Storage (Recommended) (For more severe condition consult OmniCel)	+30°C max.
Operating temperature range (Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)	-55°C / +85°C

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 60086-4 safety standard and EN 60079-11 intrinsic safety standard
(Class T4 assignment)
- UL Underwriters Laboratories (UL) Component Recognition (File Number MH 28717)

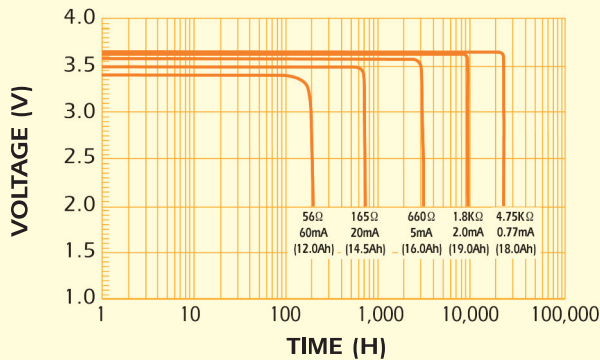
MAIN APPLICATIONS

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

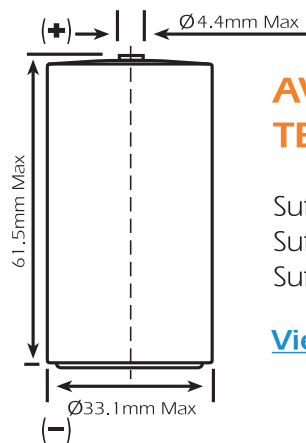
WARNING:

Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 212°F (100°C), incinerate, or expose contents to water. Do not solder directly to the cell, use tabbed cell instead.

Typical Discharge Profile @ +20°C (Typical value)



ER34615

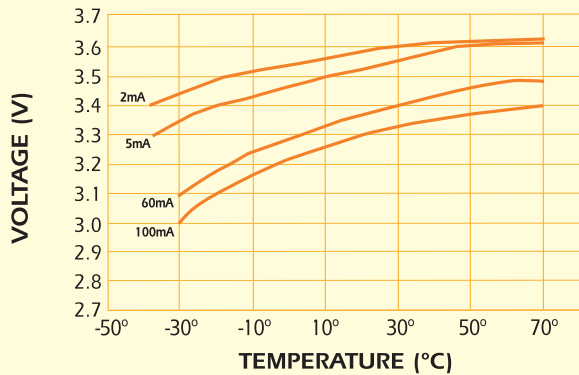


AVAILABLE TERMINATIONS

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

[View available terminations](#)

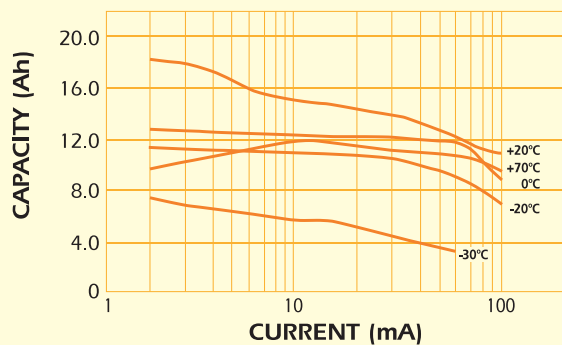
Voltage Plateau versus Current and Temperature (At min. discharge)



Physical Characteristics

■ Diameter (max)	32.9 mm (1.295")
■ Height (max)	61.5 mm (2.421")
■ Typical weight	100 g (3.527oz)
■ Lithium content	4.92 g (0.173oz)

Capacity versus Current and Temperature (2.0 V cut off) (Typical value)



Storage Characteristics

