



International size reference: A

ELECTRICAL CHARACTERISTICS

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

Nominal capacity 3.5Ah

(at 5.0 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 1000mA

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

Pulse capability: Typically up to 2000 mA (2000mA/0.1 second pulses, drained every 2 min at 25°C from undischarged cells with 10µA base current, yield voltage readings above 3.0 V. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history. Fitting cell with a capacitor may be recommended in severe conditions. consult EVE.)

Storage (recommended) 30°C max

(for more severe condition consult EVE)

Operating temperature range -60°C / +85°C

(Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)

Typical weight 33g

ER18505M

Lithium-thionyl Chloride
Spiral (Li-SOCl₂) Battery

BENEFITS

- ✓ High voltage response
- ✓ Wide operating temperature range (-40~+85°C)
- ✓ High minimum voltage during pulsing
- ✓ Excellent low temperature performance
- ✓ Finish with fuse (3.5A)
- ✓ Built-in safety vent

KEY FEATURES

- ✓ Low self discharge rate (less than 3% after 1 year of storage at +25°C)
- ✓ Stainless steel container
- ✓ Hermetic glass-to-metal sealing
- ✓ Non-flammable electrolyte
- ✓ Non-restricted for transport
- ✓ Compliant with IEC 86-4 safety standard and EN 50020 intrinsic safety

UL Underwriters Laboratories(UL) component Recognition (File Number MH28717)

MAIN APPLICATIONS

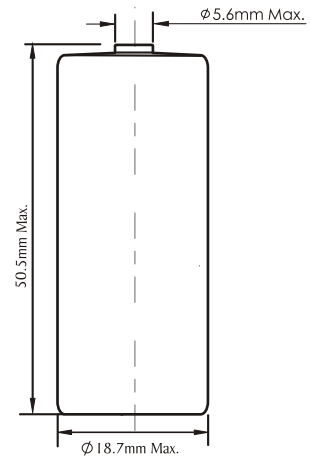
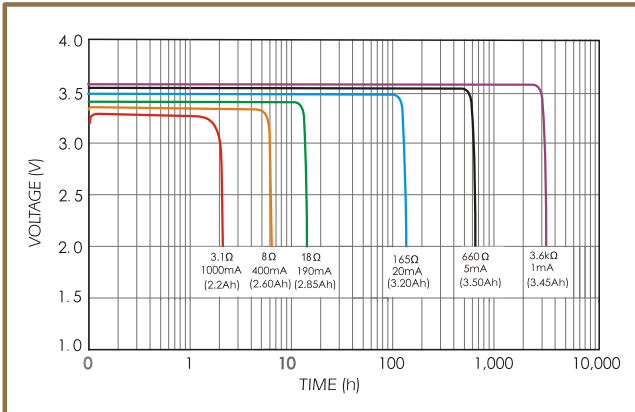
- ✓ Radiocommunication and other military applications
- ✓ Alarms and security systems
- ✓ beacons and emergency location transmitters
- ✓ GPS
- ✓ Metering systems
- ✓ Tracking systems
- ✓ GSM communication
- ... etc.

WARNING:

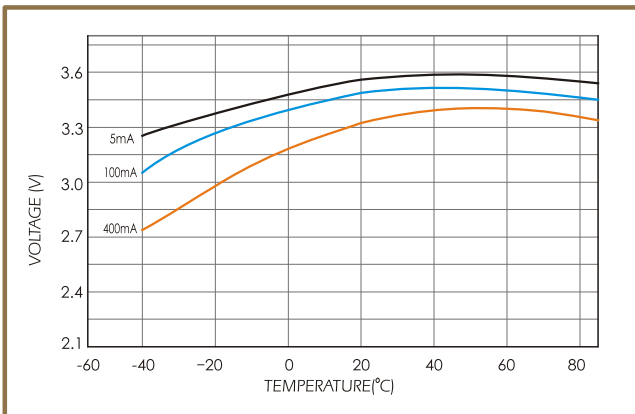
Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 100°C, incinerate, or expose contents to water.

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.

1. DISCHARGE CHARACTERISTICS@+25°C



2. VOLTAGE VS. TEMPERATURE

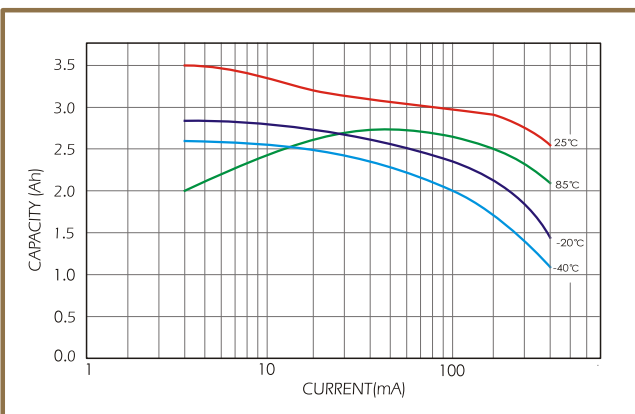


AVAILABLE TERMINATIONS

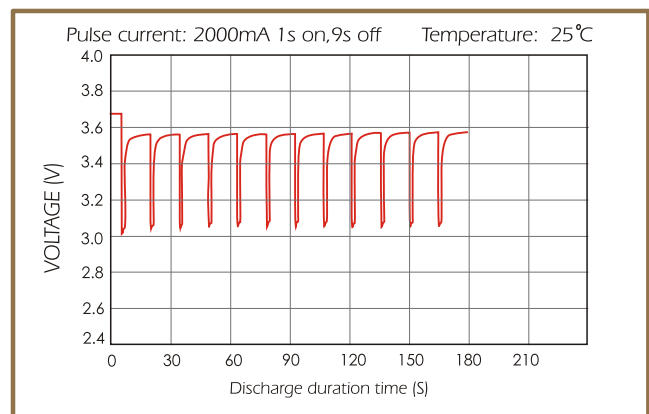
- Suffix-/S Standard
- Suffix-/T Solder Tabs
- Suffix-/W Flying Leads

[View available terminations](#)

3. CAPACITY VS. CURRENT



4. PULSE DISCHARGE CHARACTERISTICS



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Latest version can be downloaded from the EVE website

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