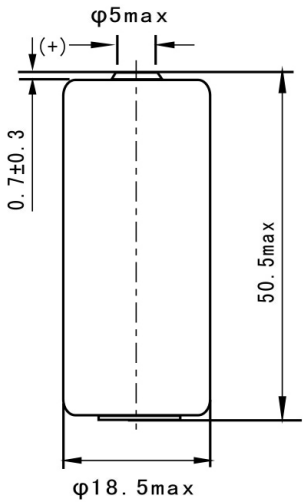
zeus
Battery Products

ER18505M 3.6V

Lithium Thionyl Chloride Battery

SPECIFICATIONS

Nominal Capacity	3500mAh 5mA, +25°C, 2.0V cut off
Nominal Voltage	3.6V
Max Recommended Continuous Current	500mA discharged to 2.0V at +25°C 50% of nominal capacity to be achieved
Maximum Pulse Capability	1000mA 1000mA, 0.1 sec. pulses every 2 minutes, drained with 50%, 5mA at +25°C from undischarged cells with 20μA base current, yield voltage readings above 2.7V, values may vary
Operating Temperature Range	-55°C ~ +80°C Stored in clean, dry and cool circumstances.
Storage	+20°C ~ +30°C Stored in clean, dry and cool circumstances.



Dimensions in mm
Weight:30g

Available Terminations	
-/P*	Axial pin
-/T /PT2*	Radial Pin
-/PT /TP*	Polarized Tab
(*) : Reference to Standard Terminals for Single Cells	

BENEFITS

- High and stable operating voltage
- Long shelf life
  Annual self discharge rate lower than 1% at +25°C
- Long operating life
- High energy density (700wh/kg)
- Wide operating temperature range
- Stainless steel can and cover
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- Compliant with IEC 86-4 safety standard
- UL Recognized

APPLICATIONS

- Intelligent Instrument
- Utility Meters
- Military Electronics Instrument
- Alarms or Security Equipment
- Memory Backup
- GPS Tracking
- IoT
- Car Electronics
- Professional Electronic Equipment

Warning: Do not charge, crush, disassemble, expose contents to water, heating above 100°C or may lead to explosion, burns and chemicals leakage.

REV V1

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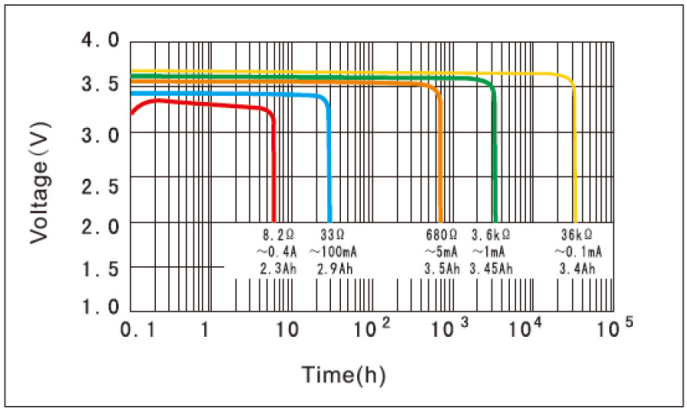
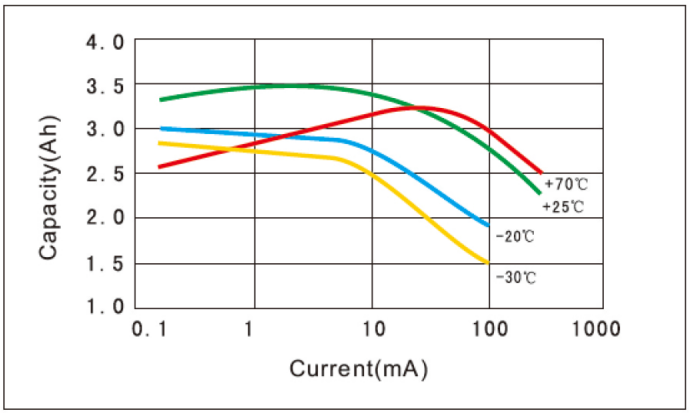
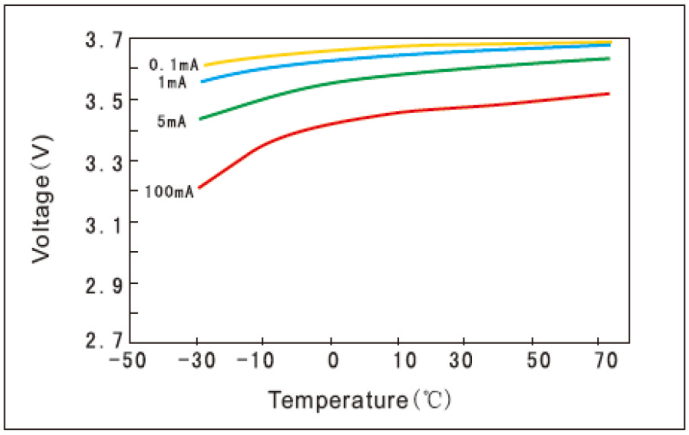
Discharge Characteristics at 25°C



Capacity vs. Current Curve



Voltage vs. Temperature Curve



Discharge Characteristics After Storage