



Ahead Cell Technology Co.,Ltd

**High Power
Spiral ACell**

Primary Lithium Battery

ER17505M 3.6V

**3.6V Primary lithium-thionyl chloride
(Li-SOCl₂) Power Type**

For higher drain/pulse term operating applications requesting superior voltage response in -55°C ~+85°C environments

Cell size references

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Alternative models	LST17500
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Electrical characteristics

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

Nominal capacity	2.8Ah
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(At 3mA +20°C, 2.0V cut off. The capacity restored varies according to current, temperature, cut off)

Open circuit voltage (At 20°C)	3.66V
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Nominal voltage (At 1mA +20°C)	3.6 V
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Max. continuous current (at +20°C)	600mA
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Typical Max. Pulse current (at +20°C)	1000mA
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Pulse capability: Typically up to 1000mA (1000mA/0.1second pulses drained every 2min at 20°C from cells with 20µA base current, yielding voltage readings above 3.0V. The readings may vary according to pulse characteristics, temperature and cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions. Consult ACT if necessary)

Storage (recommended)	+30°C Max
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Operating temperature range (High and low temperature will lower the capacity and load voltage.)	-55°C ~+85°C
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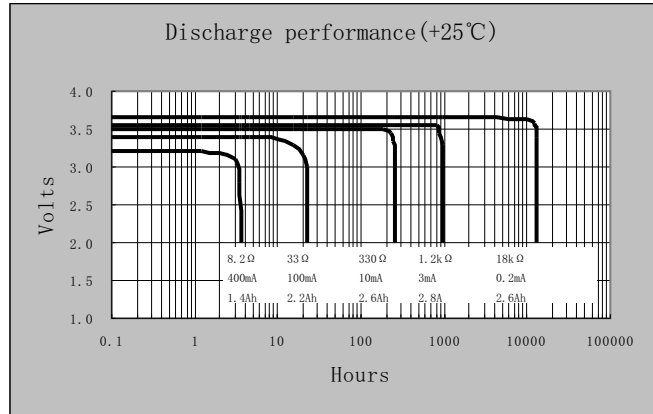
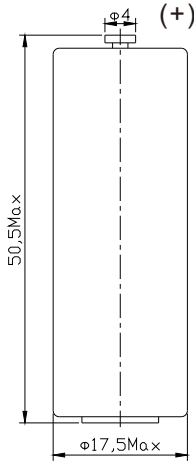
Physical characteristics

Diameter(Max)	17.5mm
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Height(Max)	50.5mm
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Typical weight	27g
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ER17505M



Key features

- >High and stable load voltage
- >Superior drain capacity
- >Low self-discharge rate
(less than 1% after 1 year of storage at 20°C)
- >Stainless steel container
- >Hermetic glass-to-metal sealing
- >Notch technology for safety vent is recommended
- >Non-flammable electrolyte

Main applications

- >Radiocommunication and other military applications
- >Alarms and security systems
- >Beacons and emergency location transmitters
- >GPS equipment
- >Metering systems
- >Sonobouys
- >Led lighting applications
- >Others

Storage

- >Cells should be stored in a clean & dry (less than 30% RH) area
- >Temp. should not exceed +30°C

Warning

- >Do not use if cell casing is mangled
- >Do not use different model of cell in series
- >Soldering the tag should be finished in few seconds
- >Do not try to recharge

