

Primary lithium batteries

(Li-SOCl₂)

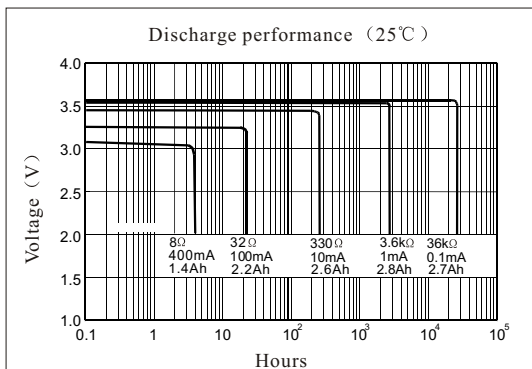
Spiral cell

ER17505M

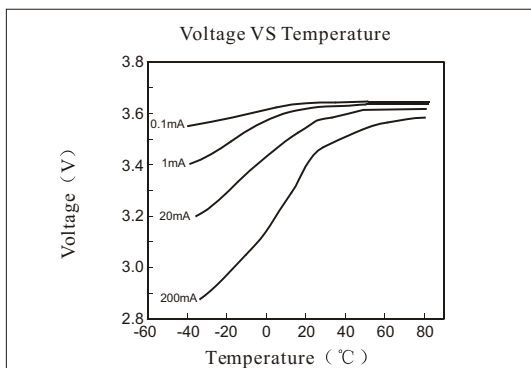
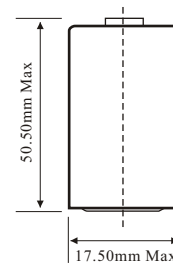
Cell size references	A size
Alternative models	A
Electrical characteristics (typical values relative to cells stored for one year or less at +30°C max.)	
Nominal capacity	2.8Ah
(at 1 mA +20°C 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).	
Open circuit voltage (at +20°C)	3.66V
Nominal voltage (at 1mA +20°C)	3.6V
Pulse capability: Typically up to 1000 mA (1000 mA/0.1 second pulses, drained every 2 mn at +20°C from undischarged cells with 10 μ A base current, yield voltage readings above 3.0V. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history.	
Max. Continuous current	600mA
Max. Pulse current	1000mA
Storage (recommended)	+30°C max
Operating temperature range	-55°C / +85°C
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Physical characteristics	
Diameter (max)	17.5mm(0.67 in)
Height (max)	50.5mm(1 in)
Typical weight	30g(1oz)
Available termination suffix	radial tabs, radial pins, axial leads, flying leads

ER17505M

■ Characteristic curves



■ Max dimensions



Main applications

- Radio communication and other military applications
- Alarms and security systems
- Beacons and emergency location transmitters
- GPS
- Metering systems
- Sonobuoys
- LED lighting applications
- Others

Storage

The storage area should be clean, cool (not exceeding +30°C), dry and ventilated.

Warning

Do not use if the battery casing was mangled.

Please discharge the battery few minutes with 100mA, if the battery voltage is lower than your need or consult.

Don't use different models of battery in series.

Soldering the tag should be finished in few seconds.

Do not try to recharge.

