

ER14505M

3.6V 2100mAh

Primary lithium batteries

**3.6V Primary lithium-thionyl chloride
(Li-SOCl₂) high power type
AA -size spiral cell**

Cell size references (UM3 - R6 - AA)

Electrical characteristics

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

Nominal capacity	2.1Ah
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(at 3mA +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
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Nominal voltage (at 1mA +20°C)	3.6V
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Max. Continuous current	300mA
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Max. Pulse current	1000mA
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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 µA 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. Fitting the cell with a capacitor may be recommended in severe conditions.

Storage (recommended) (for more severe conditions)	+30°C (+86° F) max
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Operating temperature range	-55°C / +85°C
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(Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses) (-67° F / +185° F)

Physical characteristics

Diameter(max)	14.5mm
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Height(max)	50.5mm
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Typical weight	20.0g
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Available termination suffix	radial tabs, radial pins, axial leads, flying leads (T/AX/P/PT)
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Key Features

- Stainless steel container
- High and stable operating voltage
- Superior discharge rate
(less than 1% after 1 year of storage at +20°C)
- Hermetic glass-to-metal sealing
- Compliant with IEC 86-4 safety standard

 Underwriters laboratories(UL)
Component Recognition
(File Number MH46685)

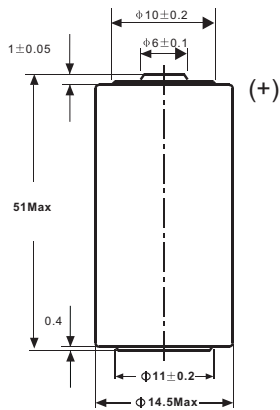
Main applications

- AMR utility meters
- Memory back-up
- Automotive devices
- Deep hole drilling
- RFID devices
- Electronic toll tags
- GPS emergency locators
- Animal tracking
- Asset/container tracking
- Vehicle tracking
- House arrest systems
- Medical devices
- Wireless security(PIR)
- Oceanographic buoys
- Military electronics
- Industrial instruments

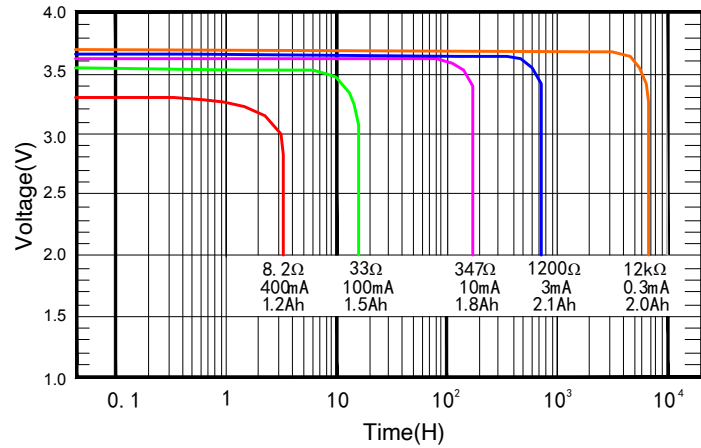
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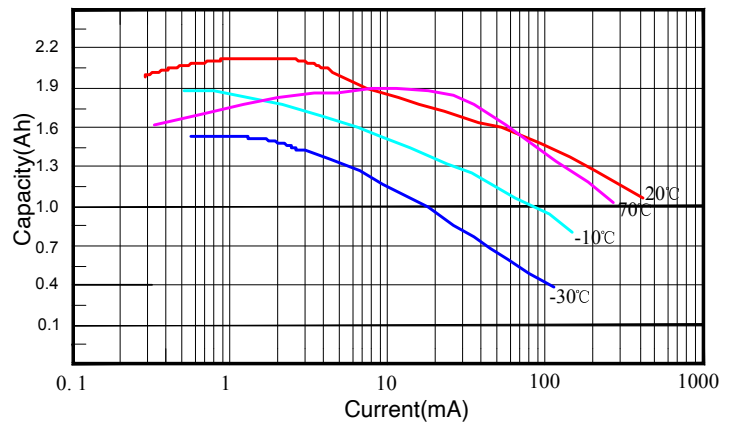
Unit : mm



Discharge characteristics at 23±2°C



Capacity VS. Current



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.
- Do not recharge, short circuit, crush, disassemble, heat above 100°C (212°F), incinerate or expose contents or water.
- Do not solder directly to the cell (use tabbed cell versions instead)

Voltage VS. Temperature

