

LITHIUM BATTERY

Primary lithium batteries ER14335

**3.6V Primary lithium-thionyl chloride
(Li-SOCl₂) Energy type
2/3AA-size bobbin cell**

For low drain / long time applications requesting superior voltage response in -55°C~+85°C environments.

Cell size references

(2/3 AA)

Electrical characteristics

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

Nominal capacity (at 0.7 mA +20°C 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).	1.6Ah
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Open circuit voltage (at +20°C)	3.66V
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Nominal voltage (at 0.7mA +20°C)	3.6V
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Pulse capability: Typically up to 100 mA (100 mA/0.1 second pulse, 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. Consult pbq)

Max. Continuous current	50mA
Max. Pulse current	100mA

Storage (recommended) (for more severe conditions, consult pbq)	+30°C max
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Operating temperature range (Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses. Consult pbq)	-55°C / +85°C
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Physical characteristics

Diameter (max)	14.5mm(0.55 in)
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Height (max)	33.5mm(1.34 in)
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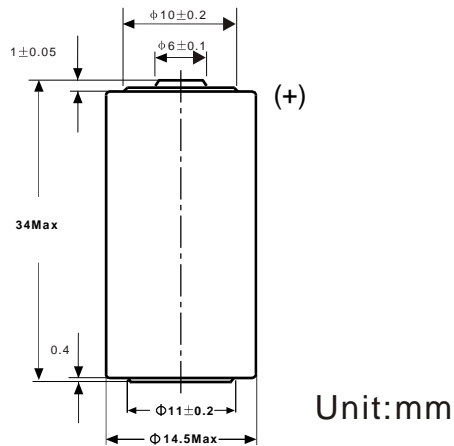
Typical weight	13g(0.425oz)
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Available termination suffix	radial tabs, radial pins, axial leads, flying leads
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Key features

- ▶ High and stable operating voltage
- ▶ Superior drain capability
- ▶ Low self-discharge rate (1 ~ 3% after 1 year of storage at +20°C)
- ▶ 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
- ▶ Metering systems
- ▶ Sonobuoys
- ▶ LED lighting applications
- ▶ Others

Storage

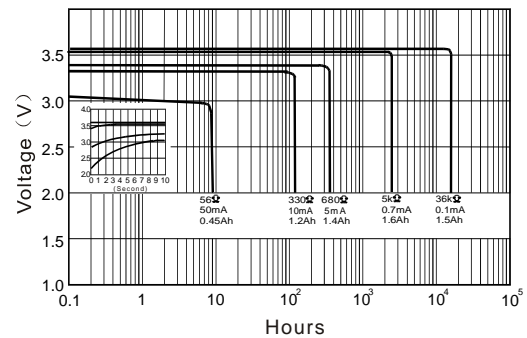
- ▶ The storage area should be clean, cool (not exceeding +30°C), dry and ventilated.

Warning

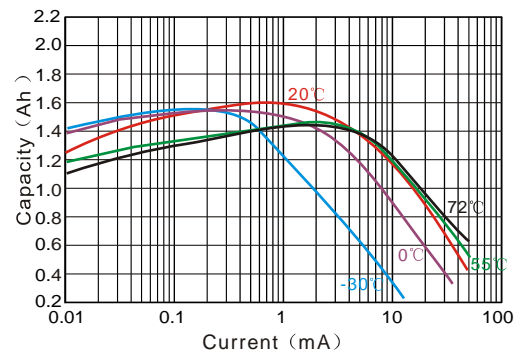
- ▶ Do not use if the battery casing was mangled.
- ▶ Don't use different models of battery in series.
- ▶ Do not try to recharge.

Characteristic curves

Discharge performance (25°C)



Capacity VS Current



Voltage VS Temperature

