



LITHIUM BATTERY

Primary Lithium Battery ER34615

3.6V Primary lithium-thionyl chloride
(Li-SOCl₂) Energy type
D-size bobbin cell



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

Cell size references (UM1 - R20 - D)

Alternative models LS33600/LS33600C/LS33600LM/TL4930/SB-D01/SB-D02

Electrical characteristics (typical values relative to cells stored for one year or less at +30°C max.)		
Nominal capacity (at 3 mA +20°C, 2.0V cut off. The capacity restored by the cell may vary with current drain, temperature and cut off).		19Ah
Nominal voltage (at 3mA +20°C)		3.6V
Pulse capability: Typically up to 400 mA (400 mA/0.1 second pulses, drained every 2 minutes at +20°C from undischarged cells with 10 μ A base current, yield voltage readings above 3.0V. The readings may vary with the pulse characteristics, the temperature, and the cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions. Consult ABLE)		
Max. Continuous current		200mA
Max. Pulse current		400mA
Storage (recommended) (for more severe conditions, consult ABLE)		+30°C max (+86°F max)
Operating temperature range (Operation above ambient temperature may lead to reduced capacity and lower voltage readings at the beginning of pulses. Consult ABLE)		-55°C / +85°C (-67°F / +185°F)
Physical characteristics		
Diameter (max)		34.2mm(1.35 in)
Height (max)		61.5mm(2.43 in)
Typical weight		106g(3.739 oz)
Available termination suffix	radial tabs, radial pins, axial leads, flying leads	

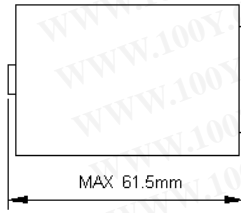
勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
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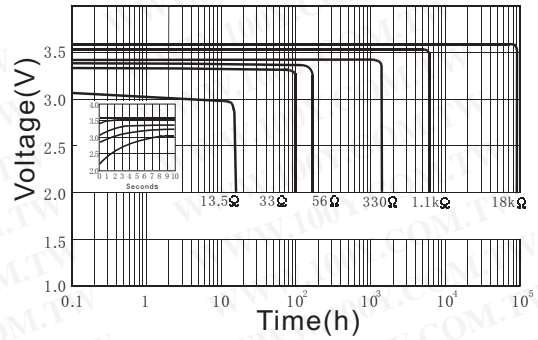
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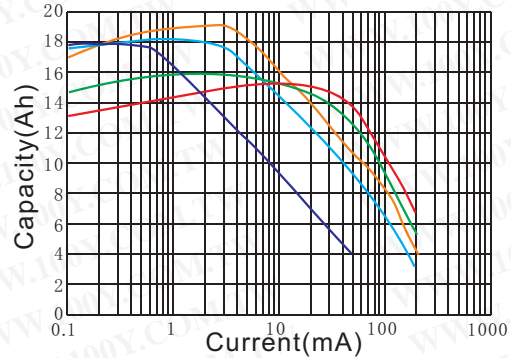


Characteristic curves

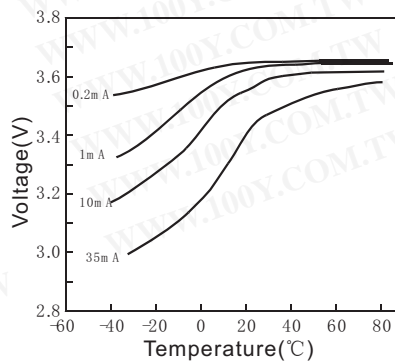
Discharge performance(RT)



Capacity VS Current



Voltage VS Temperature



Key features

- ▶ High and stable operating voltage
- ▶ Superior drain capability
- ▶ Low self-discharge rate (less than 1% after 1year of storage at +20°C)
- ▶ Optional stainless steel container for low magnetic and nickle plated steel container for more safe design
- ▶ Hermetic glass-to-metal sealing
- ▶ Non-flammable electrolyte

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 case was mangled.
- ▶ Please discharge the battery a few minutes at 100mA or consult ABLE,if the battery voltage is lower than your need .
- ▶ Don't use different models of battery in series.
- ▶ Soldering the tag should be finished within a few seconds.
- ▶ Do not try to recharge.