

## Primary lithium batteries WR34615

**3.6V Primary lithium-sulfur dioxide  
(Li-SO<sub>2</sub>) Power type  
D-size spiral cell**

### Cell size references

( D )

### Alternative models

#### Electrical characteristics

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

Nominal capacity (at 50mA +20°C 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).	8.0Ah
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Open circuit voltage (at +20°C)	2.9V
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Nominal voltage (at 50mA +20°C)	2.9V
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Pulse capability: Typically up to 5000 mA (5000 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. Consult ABLE)

Max. Continuous current	2000mA
Max. Pulse current	5000mA

Storage (recommended) (for more severe conditions, consult ABLE)	+30°C (+86°F) 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 ABLE)	-54°C / +71°C
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#### Physical characteristics

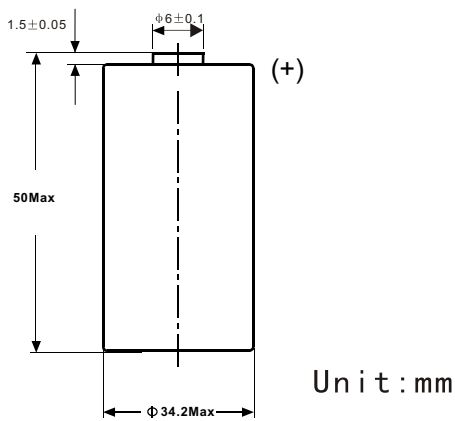
Diameter (max)	34.2mm(1.37 in)
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Height (max)	61.5mm(2.46 in)
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Typical weight	50g(1.8oz)
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Available termination suffix	radial tabs, radial pins, axial leads, flying leads
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## WR34615



### Key features

- ▶ High and stable operating voltage
- ▶ Superior drain capability
- ▶ Low self-discharge rate (less than 3% after 1 year of storage at +20°C)
- ▶ Optional stainless steel container for low magnetic and nickel plated steel container for more safe design
- ▶ Hermetic glass-to-metal sealing
- ▶ Notch technology for safety vent
- ▶ 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

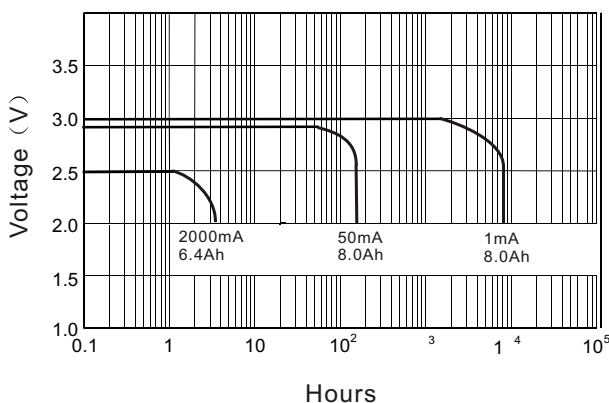
- ▶ The storage area should be clean, cool (not exceeding +30°C), dry and ventilated.

### Warning

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

### Characteristic curves

#### Discharge performance (25°C)



Nominal capacity 8.0Ah (50mA to 2.0V) .