Primary Lithium Battery Expert

Primary lithium batteries
WR34615

3.6V Primary lithium-sulfur dioxide (Li-SO_2) Power type
D-size spiral cell

Cell size references	(D)

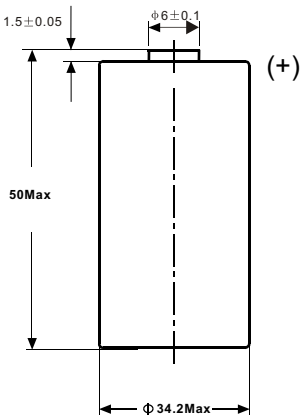
Alternative models

Electrical characteristics (typical values relative to cells stored for one year or less at +30℃ max.) Nominal capacity (at 50mA +20℃ 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).	8.0Ah
Open circuit voltage (at +20℃)	2.9V
Nominal voltage (at 50mA +20℃)	2.9V
Pulse capability: Typically up to 5000 mA (5000 mA/0.1 second pulses, drained every 2 mn at +20℃ 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 Max. Pulse current	2000mA 5000mA
Storage (recommended) (for more severe conditions, consult ABLE)	+30℃（+86℉）max
Operating temperature range (Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses. Consult ABLE)	-54℃ / +71℃

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

Primary Lithium Battery Expert

WR34615



Unit:mm

Key features

- High and stable operating voltage
- Superior drain capability
- Low self-discharge rate (less than 3% after 1year of storage at +20℃)
- Optional stainless steel container for low magnetic and nickle 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

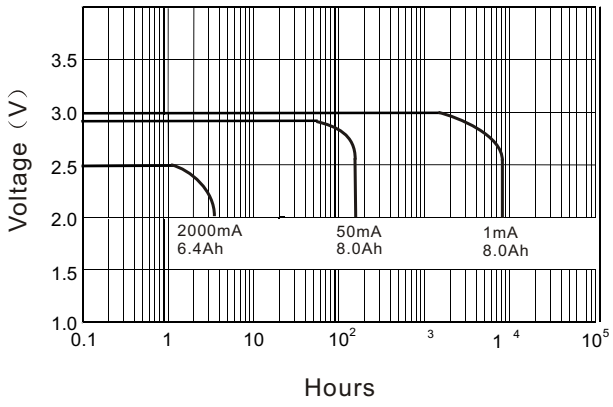
- The storage area should be clean, cool (not exceeding +30℃), dry and ventilated.

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℃）



Nominal capacity 8.0Ah（50mA to 2.0V）.