



Bobbin Cell

Primary Lithium Battery

ER34615 3.6V 19Ah

3.6V Primary lithium-thionyl chloride
(Li-SOCl₂) Energy Type



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

Cell size references

UM1-R20-D

Alternative models LS33600/LST33600/LS33600C/TL4930/TL5930

Electrical characteristics

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

Nominal capacity 19Ah
(At 3mA +20°C,2.0V cut off.The capacity restored varies according to current,temperature,cut off)

Open circuit voltage(At 20°C) 3.66V

Nominal voltage (At 3mA +20°C) 3.6 V

Max. continuous current (at +20°C) 200mA

Typical Max. Pulse current (at +20°C) 400mA

Pulse capability:Typically up to 400mA (400mA/0.1second pulses drained every 2min at 20°C from cells with 50µA base current,yield voltage readings above 3.0V.The readings may vary according to pulse characteristics,temperature and cell's previous history.Fitting the cell with a capacitor may be recommended in severe conditions.)

Storage (recommended) +30°CMax

Operating temperature range -55°C~+85°C
(High and low temperature will lower the capacity and load voltage.)

Physical characteristics

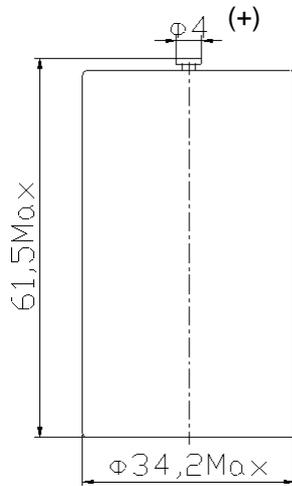
Diameter(Max) 34mm

Height(Max) 61.5mm

Typical weight 99g

Available terminal suffix radial tabs,radial pins,axial leads,flying leads

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Key features

- >High and stable load voltage
- >Superior drain capacity
- >Low self-discharge rate
(less than 1% after 1 year of storage at 20°C)
- >Stainless steel container
- >Hermetic glass-to-metal sealing
- >Laser welding
- >Non-flammable electrolyte

Main applications

- >Radiocommunication and other similar applications
- >Alarms and security systems
- >Beacons and emergency location transmitters
- >GPS equipment
- >Metering systems
- >Led lighting applications
- >Others

Storage

- >Cells should be stored in a clean & dry (less than 30% RH) area
- >Temp. should not exceed +30°C

Warning

- >Do not use if cell casing is mangled
- >Do not use different model of cell in series
- >Soldering the tag should be finished in few seconds
- >Do not try to recharge

