We Power Your Technology

Primary Lithium Battery ER34615D

3.6V [Li-SOCl$_2$] (DIRECTION SERIES) D-size Bobbin Cell



Benefits

- High and Stable Voltage
- Energy Density up to 590Wh/kg
- Low Self-discharge Rate (less than 1% per year after 1 year of storage at +25°C)
- Wide Operating Temperature Range (-55°C~+85°C)

Key Features

- Stainless Steel Cell Can
- Glass to Metal Hermetic Sealing
- Non-flammable Electrolyte
- UL1642 and UN38.3 Certified

Main Applications

- Security System
- Smart Metering
- RFID / IoT System
- Wireless Transmitting
- Smart Home Devices
- Military Devices

New cell:*
Refer to the cells that are stored within two months at no higher than +25°C.

Electrical Characteristics

Nominal voltage	3.6V
Nominal capacity	19000mAh

(At +25°C, battery discharged at continuous current 2mA until voltage reaches cut-off voltage 2.0V. The capacity can vary at different temperature, discharge current or cut-off voltage.)

Maximum continuous current	100mA

(New cell*, at +25°C, 2.0V cut-off, battery discharged for minimum 50% of nominal capacity.)

Maximum pulse discharge current	200mA

(New cell*, at +25°C, 2.0V cut-off, battery discharged for minimum 50% of nominal capacity with max pulse for 3 seconds after 27 seconds break. The discharged capacity 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.)

Storage temperature (recommended)	≤30°C
Storage humidity (recommended)	≤75%RH
Operating temperature range	-55°C~+85°C

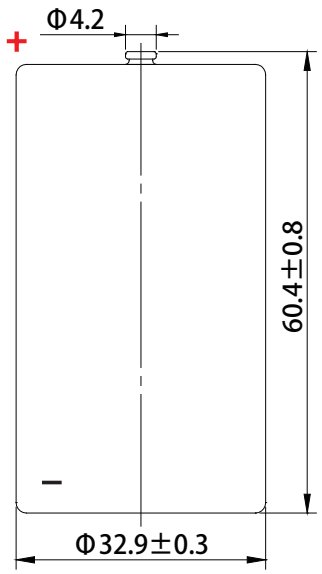
(Operation above ambient temperature may lead to reduced capacity and lower voltage readings at the beginning of pulses.)

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No.: HCB-MKT.PM-S[V1.3 2025 02]

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ER34615D

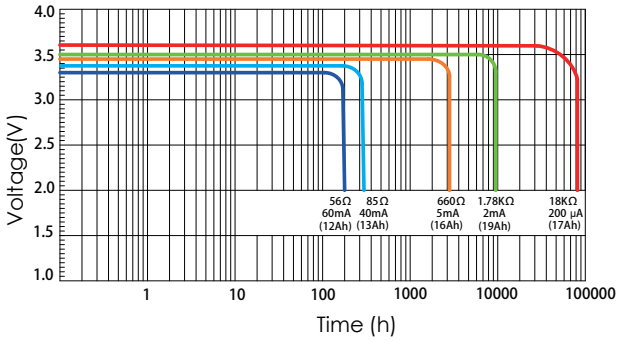
3.6V [Li-$SOCl_2$] (DIRECTION SERIES)
D-size Bobbin Cell

Physical Characteristics	
Diameter	32.9±0.3mm
Height	60.4±0.8mm
Weight	100.0g

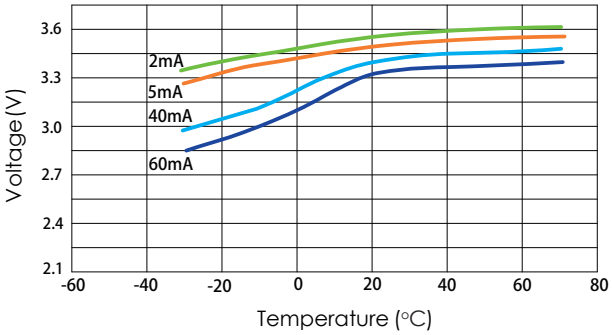


Dimensions in mm

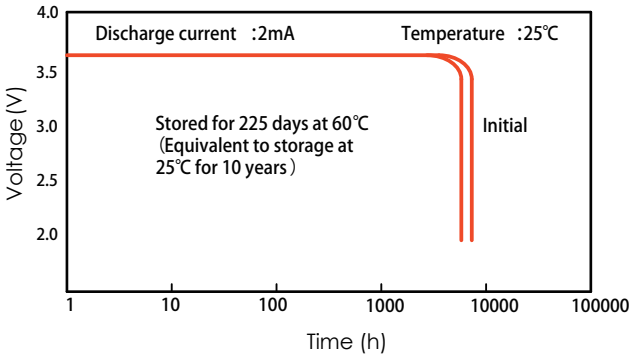
1. Typical discharge profiles at 25°C



2. Voltage plateau versus Current and Temperature



3. Storage characteristics



WARNING:

- Do not short circuit
- Do not recharge
- Do not puncture
- Do not crush
- Do not dismantle
- Do not incinerate
- Do not mix new and used batteries
- Do not heat above 100°C

This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries . Cell and battery designs/specif -ications are subject to modification without notice.
Contact HCB for the latest information.

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