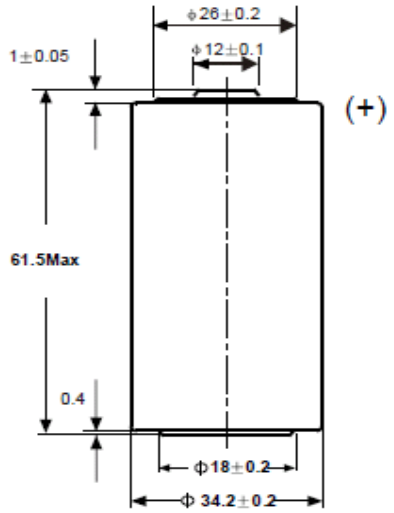
Technical Datasheet
ER34615
3,6V 19000 mAh

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

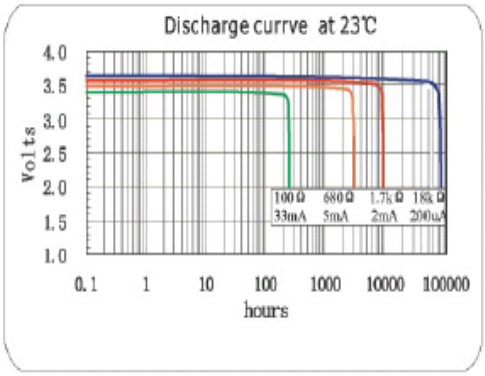
Cell size references	UM1 - R20 - D	
Electrical characteristics (typical values relative to cells stored for one year or less at +30°C max.) Nominal capacity (at 2mA +20°C 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off). Open circuit voltage (at +20°C) Nominal voltage (at mA +20°C) Max. Continuous current Max.Pulse current	19,0Ah 3,66V 3,6V 230mA 500mA	**Key Features** * Stainless steel container * High and stable operating voltage * Superior discharge rate (less than 1% after 1 year of storage at +20) * Hermetic glass-to-metal sealing * Compliant with IEC 86-4 safety standard
Pulse capability: Typically up to 400 mA (400 mA/0.1 second pulses, drained every 2 mn at +20 from undischarged cells with 10 uA 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.		
Storage (r e commended) (for more severe conditions)	+ 30°C (+ 86°F) max	
Operating temperature range (Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses))	-55°C/+85°C (-76°F / +185°F)	**Main applications** * AMR utility meters * Memory back-up * Automotive devices * Deep hole drilling * RFID devices * Electronic toll tags * GPS emergency locators * Animal tracking * Asset/container tracking * Vehicle tracking * House arrest systems * Medical devices * Wireless security(PIR) * Oceanographic buoys * Military electronics * Industrial instruments
Physical characteristics		
Diameter (max)	34,0mm	
Height (max)	61,5mm	
Typical weight	106,0g	
Available termination suffix	sld-radial tabs, radial pins, axial leads, flying leads (ST/AX/CONN)	

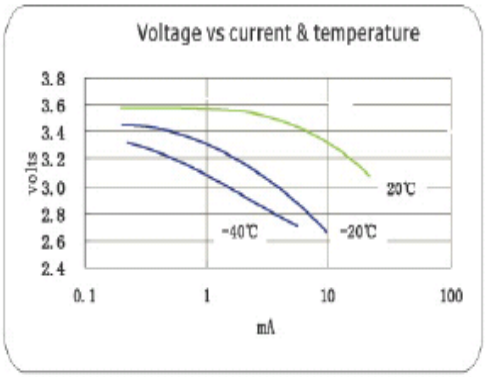
Technical Datasheet
ER34615
3,6V 19000 mAh

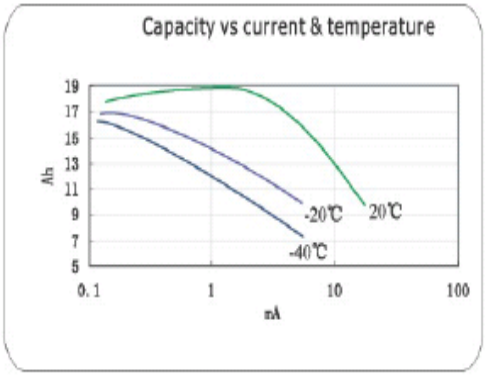
3.6V Primary lithium-thionyl chloride (Li-SOCl2) Energy Type D -size bobbin cell Primary lithium batteries



Unit : mm



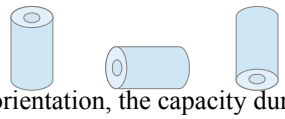




Storage

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

Cel orientation



According to the cell orientation, the capacity during discharge can be affected because of the different position of electrolyte and amount against lithium and cathode. Under upright installation, the capacity is not affected whether discharge current is high, nominal or low. Under horizontal installation, the capacity of bigger size (C, D) cannot be affected when discharge current is low or normal but it can be affected when discharge current is high. (About 15 to 30% of capacity reduction at higher discharge current will be expected.) Under upside down installation, at higher discharge current is affected upto 40%

Warning

Do not use if the battery casing was mangled.
Do not recharge, short circuit,crush, disassemble, heat above 100°C(212°F),incinerate or expose contents or water.
Do not solder directly to the cell
(use tabbed cell versions instead)