ULTRALIFE
BATTERY & ENERGY PRODUCTS

UHE-ER34615-X2: D size bobbin cell (Generation X2)

Technical Datasheet

Features

- High and stable operating voltage
- Superior current capability
- Low self-discharge rate (less than 1% after 1 year of storage at +23°C)
- Hermetic glass-to-metal seal
- Built-in safety vent
- Non-flammable, non-heavy metal electrolyte
- Laser welded can seal

Applications

- Utility metering
- Autometer readers
- Measuring equipment
- Industrial applications
- Professional electronics
- Buoys
- Sensors

and more...

Technical Specifications	
Part No	UHE-ER34615-X2
Model No	ER34615-X2
Cell Type	Primary, non-rechargeable
Chemistry	Lithium Thionyl Chloride
Voltage CCV	3.4 to 3.0V (temperature and load dependent)
Open Circuit Voltage	3.65V
Nominal Capacity at 5mA	16.0Ah to 2.0V @ +23°C
Min. Cut-off Voltage	2.0V
Max. Constant Discharge Current	200mA
Pulse Capability[1]	Typically up to 400mA (400mA/0.1 second pulses, drained every 2 min at +20°C)
Weight	108g
Lithium Metal Content	4.3g
Operating Temperature[2]	-55°C to +85°C[3]
Storage Temperature	+30°C max., store at ≤ 20ºC to minimize passivation and self-discharge
Exterior/Housing	304 stainless steel
Terminals/Connector	Button cap, radial tabs, radial pins, axial leads, flying leads, wire. Custom termination available
Safety	UL 1642 UN 38.3 (transportation) (technician replaceable)
Transportation	UN 3090 Dangerous Goods Class 9, Lithium Content >1.0g, <5.0g If packed in or with equipment (UN 3091), contact Ultralife for guidance or other questions.

Note(s)

1. Varies according to pulse characteristics, temperature, cell history and the application. Consult Ultralife for exact performance under your pulse load.
2. Operation at extreme ranges (temperature or current) may lead to reduced capacity and lower voltage readings at beginning of pulses. Consult with Ultralife for your application.
3. Exceeding the maximum temperature rating of +85°C may cause cell leaks, excessive expansion of case hardware, and / or decomposition of case shrink wrap.

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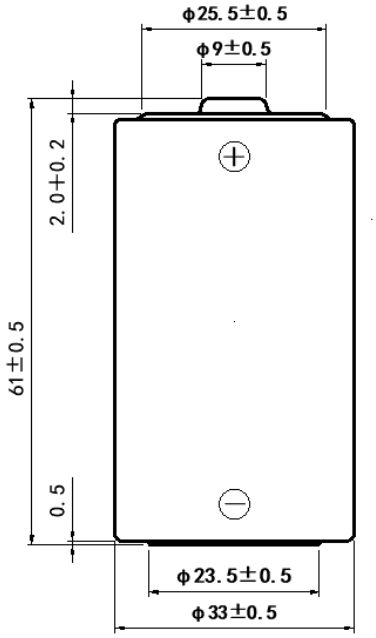
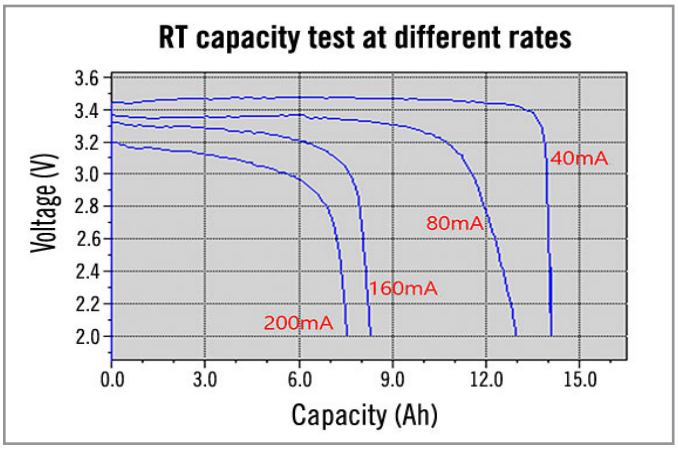
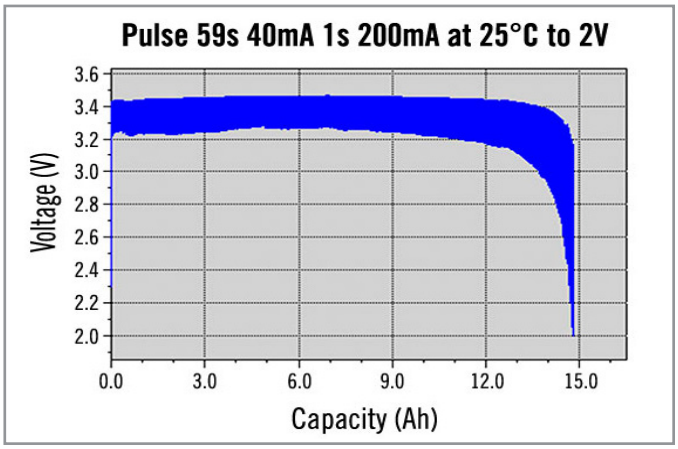
Dimensions

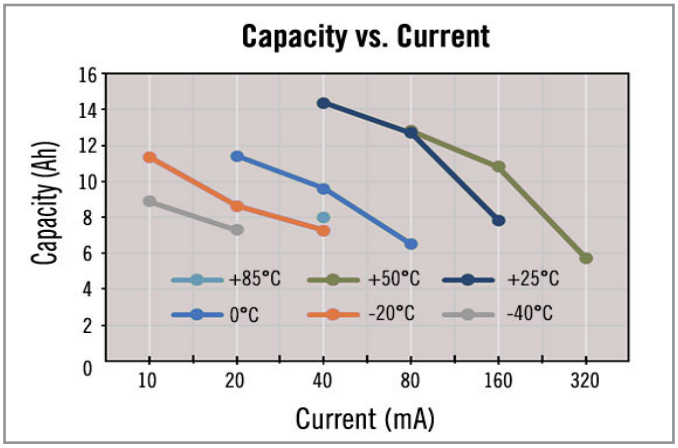


Unit:mm

Performance Graphs







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