

UHE-ER34615-X: D size bobbin high capacity cell construction

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
- Non-flammable Non-Heavy metal electrolyte
- Laser welded can seal
- ATEX: IEC60079-11 2023, part 9.14, T5 rating at 40 °C (Consult Ultralife)

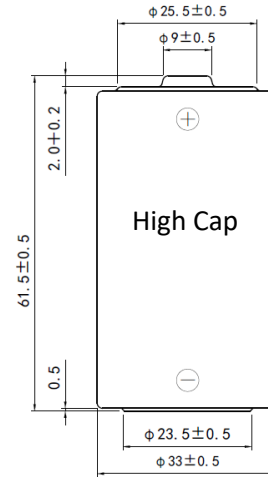
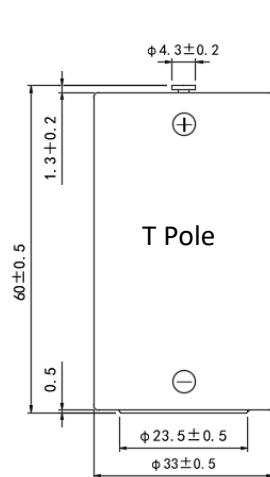
Applications

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

Specifications	
Part Number	UHE-ER34615-X (High capacity)
Cell type	Primary, non-rechargeable, Lithium thionyl chloride
Voltage CCV	3.4 to 3.0 V depending on mA load
Open circuit voltage	3.65 V
Nominal Capacity	19 Ah @ 2 mA to 2.0 V @ 23° C
Capacity Range	12 – 19 Ah 0 – 60 °C
Max. Constant Discharge Current	200 mA
Pulse Capability	Up to 400 mA 0.1s/2min. Varies according to pulse characteristics, temperature, cell history and the application. Consult Ultralife for exact performance under your pulse load.
Operating Temp Range continuous Discharge	-55 °C to 85 °C. 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.
Storage Temp	30° C MAX. Store at ≤ 20 °C to minimize passivation and self-discharge
Exterior/Housing	304 stainless steel
Terminals/Connector available	Button Cap, Radial tabs, radial pins, axial leads, flying leads, wire. Custom termination available.
Safety	UN38.3/UL1642
Transportation	Class 9
Mass	103±2 g

Quality Assurance	Ultralife manufacturing facilities are ISO 9001:2015, ISO 14001:2015 and ISO13485:2016 registered. Its products are listed under the Component Recognition Program of Underwriters Laboratories (UL) and have passed UN transportation testing, which is required for international transportation of all lithium batteries.
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Dimensions



Unit:mm

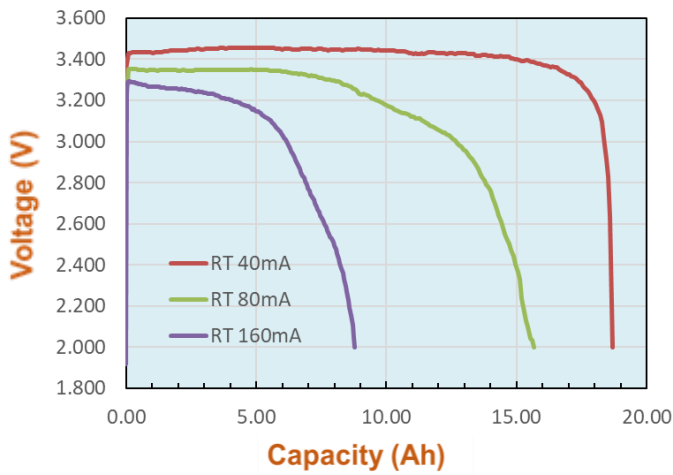
*Dimension for reference. Details please refer to the specific drawings.

*High cap or T pole is optional.

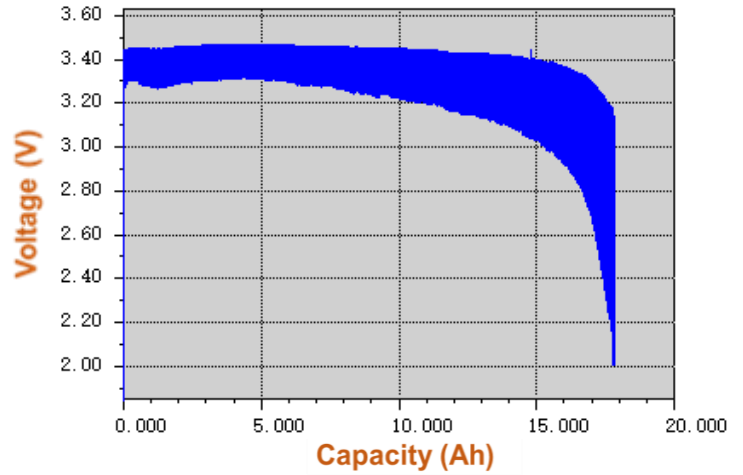
*T pole for gas metering.

Typical Performance Graphs

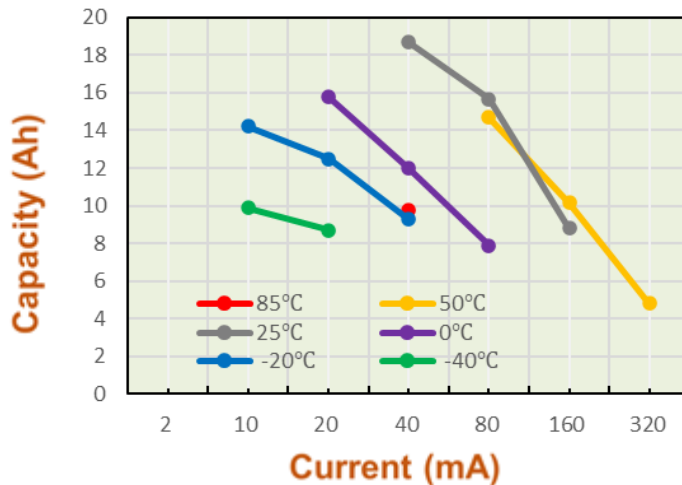
RT Capacity test at different rates



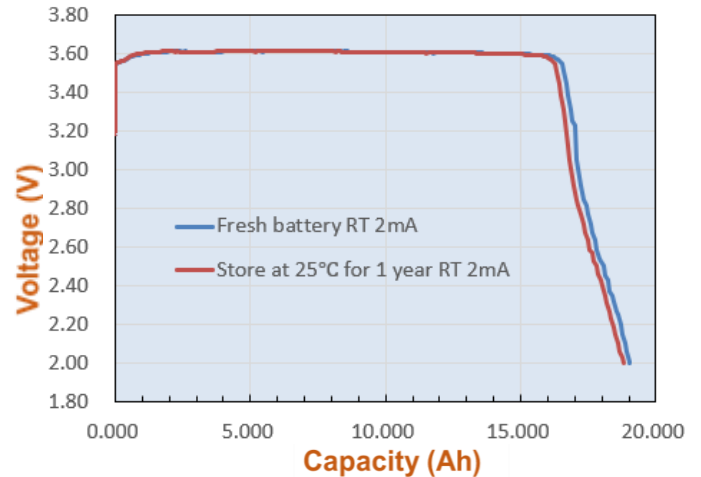
Pulse 59.0 s 40 mA 1.0 s 200 mA at 25 °C to 2.0 V



Capacity in relation to temperature and current



Storage characteristic



UHE-ER34615-X

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