

UHR-ER34615-X: D size spiral cell construction

Technical Datasheet



Features

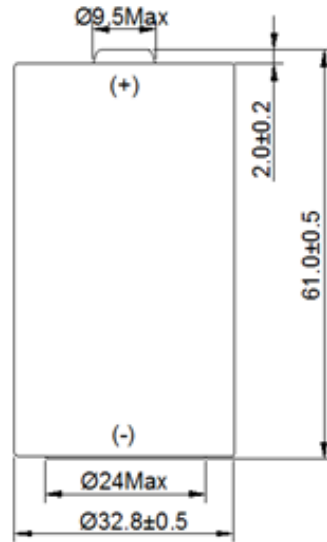
- High and stable operating voltage
- Superior current capability
- Low self-discharge rate (less than 2% after 1 year of storage at 23°C)
- Hermetic glass-to-metal seal
- Non-flammable Non-Heavy metal electrolyte
- Finished product with PTC for safety
- Laser welded can seal

Applications

- Radio communication and other military applications
- Alarms and security systems
- Transmitters
- GPS
- LED lighting applications
- Pulse Discharge
- Sensors
- Other high current application

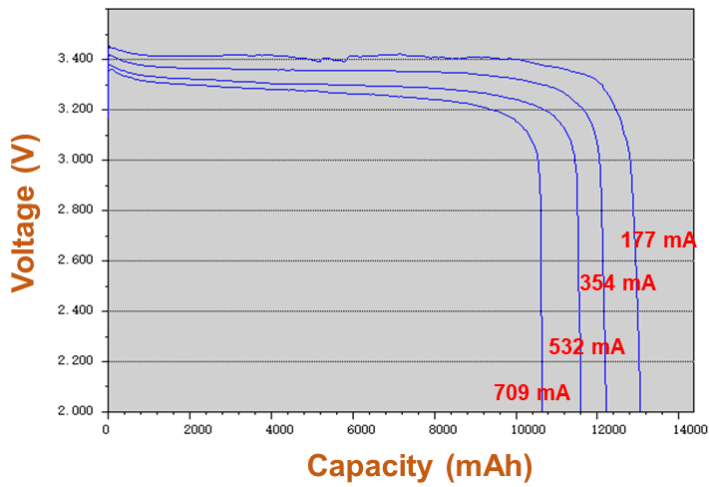
Specifications	
Part Number	UHR-ER34615-X
Equivalent Models	LSH20/TL2300/SW-D02
Voltage CCV	3.4 to 3.0 V depending on mA load
Open circuit voltage	3.65 V
Nominal Capacity	14.5Ah @10mA to 2.0v @ 23° C
Capacity Range	10 Ah-14Ah 0° C-60° C
Max. Constant Discharge Current	666 mA
Pulse Capability	Typically up to 4000 mA (4000 mA/0.1 second pulses, drained every 2 min at + 20°C). 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	Radial tabs/ radial pins/axial leads/flying leads button cap
Safety	UN38.3/UL1642, PTC anti-short-circuit device
Transportation	Class 9 – see note 1
Mass	108 g
Lithium Metal Content	4.00 g
Case Expansion at Temperature	-55 °C to 85 °C 0.0 mm case expansion. 85° C for 100% of discharge. 1.3 mm length max case expansion.
Note 1	UN 3090, UN3091 for a complete description of transportation regulations and definitions of the transportation classifications "Excepted" and "Class 9," refer to the Ultralife web site at www.ultralifecorporation.com .
Note 2	Exceeding the maximum temperature rating of 85 C may cause cell leaks, excessive expansion of case hardware, and / or decomposition of case shrink wrap.

Dimensions

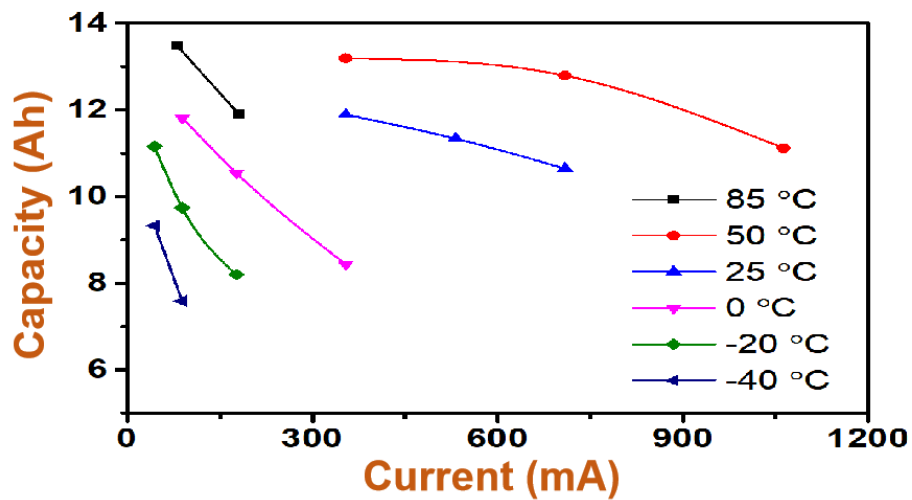
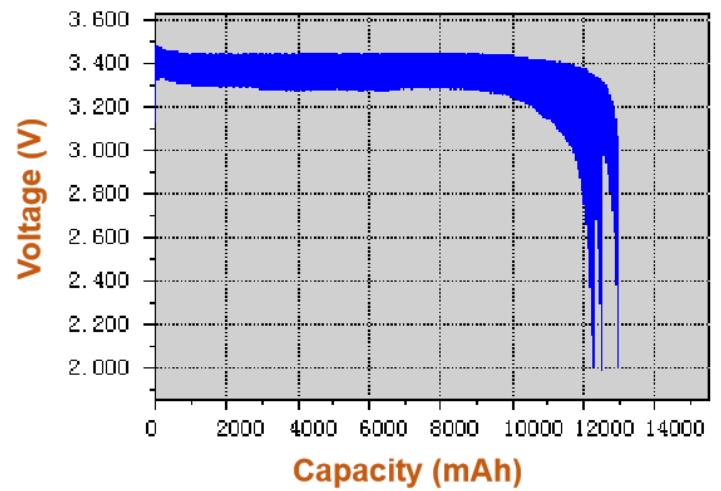


Typical Performance Graphs

RT Capacity test at different rates



Pulse 59.0 s 177 mA 1.0 s 900 mA at 25 C. to 2.0 V



UHR-ER34615-X

Newark, New York | 315-332-7100 | Fax: 315-331-7800

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