

UHR-ER26500-X: C size spiral cell construction

Technical Datasheet



Specifications	
Part Number	UHR-ER26500-X
Equivalent Models	LSH14 / LSH14 Light/TL2200
Voltage CCV	3.4 to 3.0 V depending on mA load
Open circuit voltage	3.65 V
Nominal Capacity	6.5Ah @2mA to 2.0v @ 23° C
Capacity Range	4 Ah-6.5 Ah 0° C-60° C
Max. Constant Discharge Current	560 mA
Pulse Capability	Typically up to 2000 mA (2000 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	58 g
Lithium Metal Content	1.87 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.

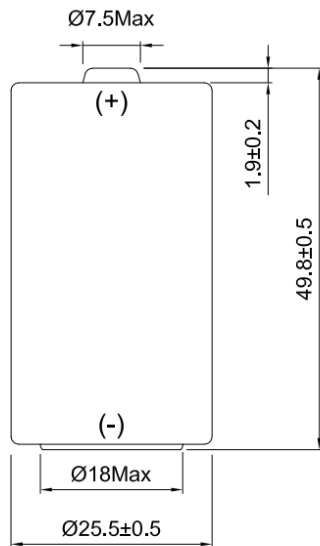
Features

- 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

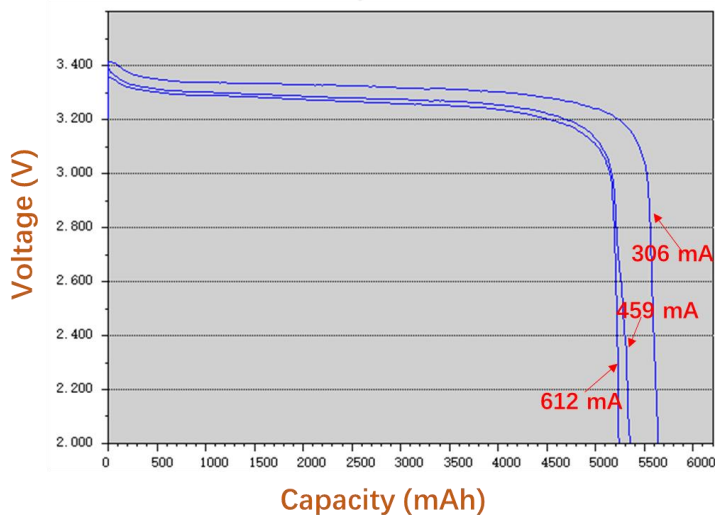
- Radio communication and other military applications
- Alarms and security systems
- Transmitters
- GPS
- LED lighting applications
- Pulse Discharge
- Sensors
- Other high current application

Dimensions



Typical Performance Graphs

RT Capacity test at different rates



Pulse 59.0 s 153 mA 1.0 s 750 mA at 25 °C to 2.0 V

