

UHR-ER18505-H: A size spiral cell (power type)

Technical Datasheet



Technical Specifications	
Part No.	UHR-ER18505-H
Model No.	ER18505M-H
Cell Type	Primary, non-rechargeable
Chemistry	Lithium Thionyl Chloride
Voltage Range	2.0V to 3.7V
Nominal Voltage	3.6V
Nominal Capacity at 1mA	3.0Ah to 2.0V @ 23°C
Max. Continuous Discharge Current	600mA
Max. Pulse Discharge Current	Up to 1000mA (temperature and pulse dependent)
Weight	31g
Lithium Metal Content	1.1g
Operating Temperature ¹	-55°C to +85°C
Storage Temperature	Max 30°C, store at ≤ 20°C to minimize passivation and self-discharge
Exterior/Housing	Stainless steel
Terminals/Connector	Radial tabs/ radial pins/axial leads/flying leads/ stainless steel end caps with other terminals.
Safety	UN 38.3 UL 1642
Transportation ²	Excepted Dangerous Goods UN 3091: Packed with or contained in equipment Air Shipment: Packing Instruction 969 or 970, Section I Class 9 Dangerous Goods UN 3090: Bulk shipment Air shipment: Packing Instruction 968, Section IA
Quality Assurance	Ultralife manufacturing facilities are ISO 9001:2008 and ISO 14001:2004 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.
Notes	<ol style="list-style-type: none"> 1. 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. 2. A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife website.

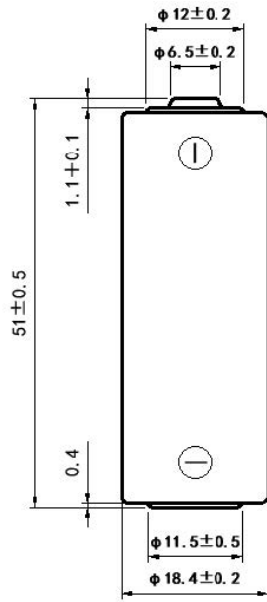
Features

- High and stable operating voltage
 - High power and higher energy for the whole battery life
- Superior drain capability
 - Higher power applications
- Low self-discharge rate (less than 2% after 1 year of storage at 23°C)
 - Battery life higher than 10 years, depending on the application
- Hermetic glass-to-metal sealing
 - Avoid leakage, key for higher than 10 year battery life
- Non-flammable electrolyte
 - Safer operation in case of abuse
- Finished product with PTC for safety
 - Safe operation in the event of a short circuit

Typical Applications

- Military and other radio applications
- Alarm and security systems
- Beacons and emergency location transmitters
- GPS
- Metering systems
- Sonobuoys
- LED lighting applications

Dimensions



Unit:mm

Typical Performance Graphs

