

# UHE-ER14505: AA Size Bobbin Cell

## Technical Datasheet



Technical Specifications	
Part No.	UHE-ER14505-X (see note 1)
Cell Type	Primary, non-rechargeable
Chemistry	Lithium Thionyl Chloride
Voltage Range	2.0V to 3.7V
Nominal Voltage	3.6V
Nominal Capacity	2.4Ah @ 1.0mA to 2.0V @ 23°C
Max. Continuous Discharge Current	100mA
Max. Pulse Discharge Current	200mA
Weight	19g
Operating Temperature	-55°C to 85°C
Storage Temperature	-55°C to 85°C (max 30°C for a >5 years life)
Terminals/Connector	Flat Ni-plated end caps
Safety	Certified to UL1642 Material Safety Datasheet - MSDS095 Safety Guide UBM-5135
Transportation	Excepted from regulations for packages with gross mass of 2.5kg or less.
<b>Note 1</b>	Order by suffix, (-S) available in standard bulk as shown. Contact Ultralife for other terminal options.
<b>Note 2</b>	A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife website.

### Features

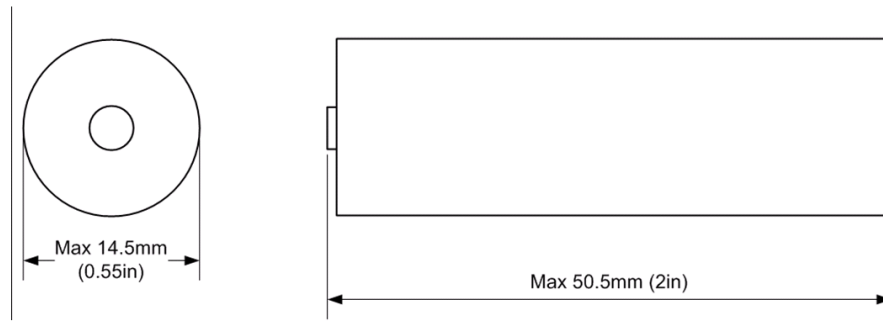
- High and stable operating voltage
  - Higher power and higher energy for the whole battery life
- Superior drain capability
  - Higher power applications
- Low self-discharge rate (less than 1% after 1 year of storage at +20°C)
  - Battery life higher than 10 years, depending on the application
- Hermetic glass-to-metal sealing
  - Avoid leakage, key for a higher than 10 year battery life
- Non-flammable electrolyte
  - Safer operation in case of abuse

### Typical Applications

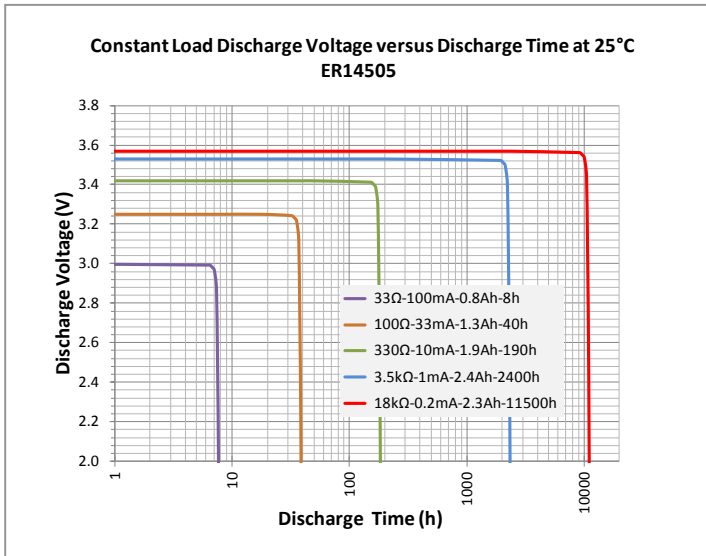
- Utility metering devices & systems
- Alarm and security systems
- Machine to Machine (M2M) communications
- Automatic meter readers (AMR)
- Memory back-up
- Automotive electronics / telematics
- Industrial electronics
- Military and other radio applications
- Ultra low power devices
- Sonobuoys
- GPS tracking / mobile asset tracking

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.

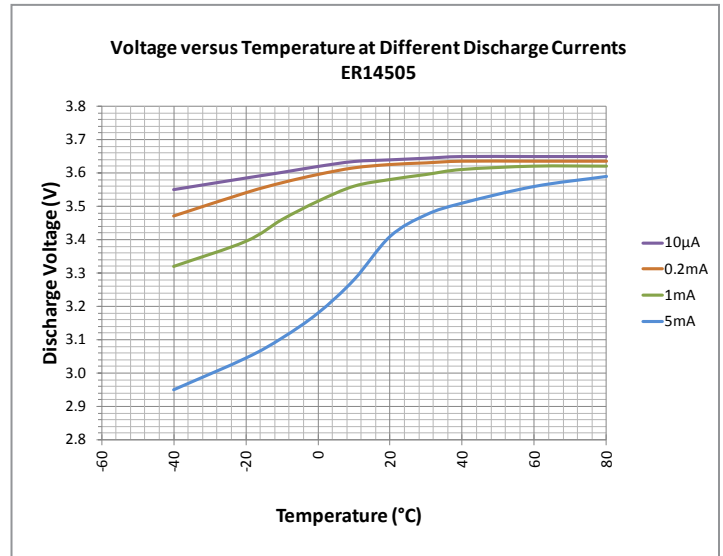
# Dimensions



# Typical Performance Graphs



High and flat voltage at high and low drain



High voltage at high drain even at -30°C