1

Heat-Resistant Energy, Built to Endure

HL18650T



High-Temperature Stability

Retains over 90% capacity after 48 days at 80°C for reliable performance.



Reliability under vibration

Performs stably under high-frequency vibrations, ideal for automotive, drones, and military devices.

Retains over 90% capacity after 500 cycles, ensuring long-term reliability.

90%

Delivers 3.9V/6W at -30°C, even after high-temperature storage.

-30%

Supports 5C continuous discharge, meeting high-power application needs.

5c

W.UltraXel

18650T Flyer

Product Specifications

HL18650T



	•			
1)	ım	ner)CI	on
			IJ	011

----- 18.3±0.2mm 64.9 ± 0.3 mm Height Diameter

Capacity

Min capacity (0.2C) 1950 mAh Typical capacity (0.2C) 2000 mAh

Voltage and current

Nominal voltage Working voltage 3.60V 2.75V-4.20V

Max charge / 1.95A / 10A discharge current

Working temperature

-20~60°C Discharge -40~85°C Charge

Other

Cycle life --> 300 -40°C capacity (0.2C) ≈ 60%

Recovery capacity > 90%

after 1000h 80°C aging

WUltraXel

18650T Flyer

2025 3 Features

Explore

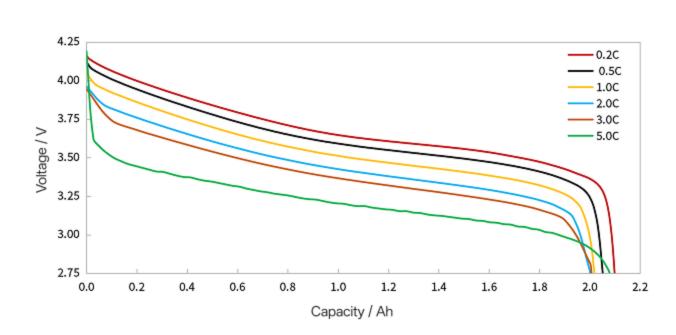
HL18650T

Performance Insights

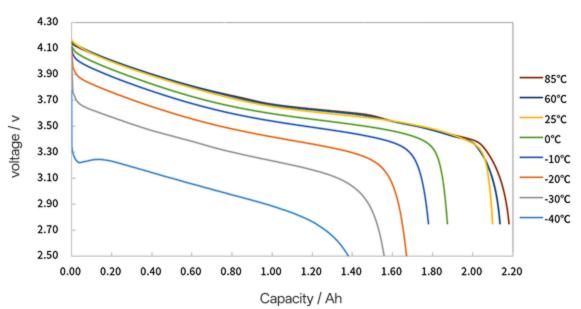
Excel in Extreme Heat and Cold: Unmatched Performance.



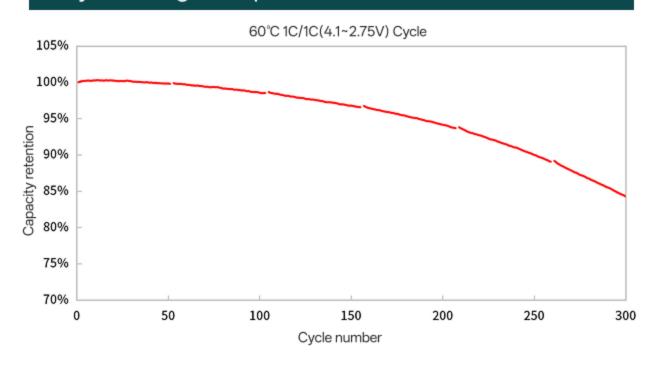
Rate discharge



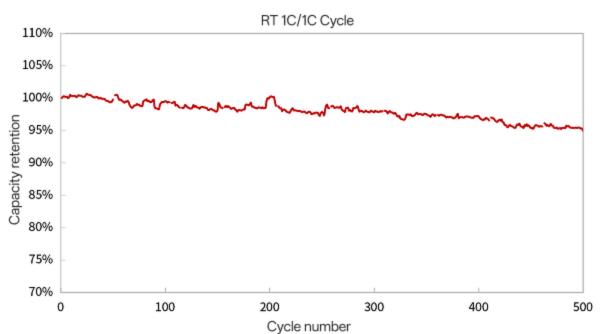
Discharge curve@different temperature



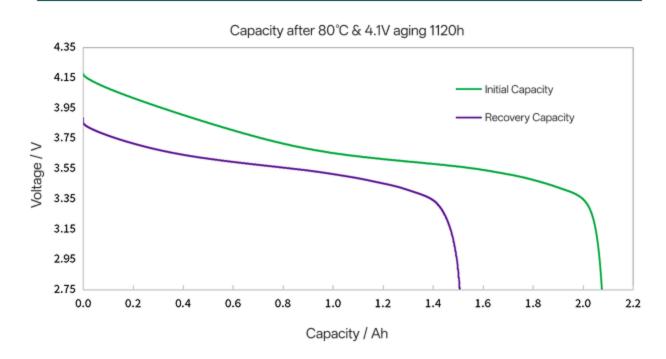
Cycle at high temperature



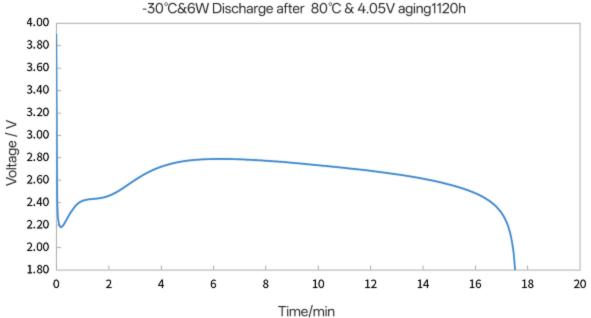
Cycle at room temperature



80C&4.05V



Low temperature discharge after the end of life



WUltraXel

18650T Flyer

Features

What we're enabling with HL18650T



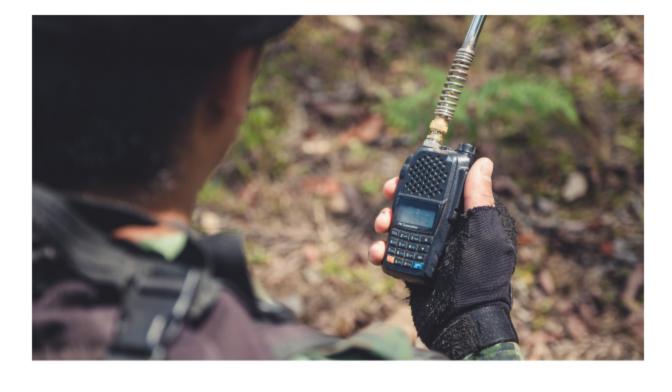
Reliable Power for **Automotive T-Box**

Automotive T-box systems require stable power in extreme temperatures and under vibrations. The HL18650T battery ensures seamless connectivity and efficient operation in the toughest conditions.

Optimized Power for GPS Tracking

Logistics GPS trackers require stable power for precise tracking in harsh environments. The HL18650T battery supports continuous operation to optimize fleet management and delivery efficiency.





Reliable Energy for Military Satellite Phones

Military satellite phones demand stable power in extreme environments to ensure uninterrupted communication. The HL18650T battery provides dependable energy for mission-critical operations in challenging conditions.



Automotive Electronic



Medical Devices



Security & Monitoring



Field Instruments



Logistics & Containers



Power Tools





Smart home

WUltraXel

18650T Flyer 2025

Features

UltraXel Limited

UltraXel specializes in wide-temperature lithium-ion cells, provides innovative energy solutions for extreme environments to enhance product performance while powering diverse applications.



26

Years Battery Expertise 50+

Countries Global Reach 38

Invention Patents

Of Automated Production

100

International Trusted Partnerships

Email:

business@ultraxel.com

Website:

ultraxel.com

Address:

Building 8, No. 39, Nan Yun San Road, Huangpu District, Guangzhou, Guangdong 510663, PRC







5