

ELT-ZON

UN38.3 Test Report



Lithium cell or battery test summary in accordance with sub-section 38.3 of Manual of Tests and Criteria



Report No.: ELTIONBATTERYLITHIUM

Issue Date: 05.03.2025

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| ➤ Product Type: Single Lithium Ion Cell Battery |
| ➤ Product Name: Aircraft Blinking Strobe Led Light In-Built Lithium-Ion Cell Battery |
| ➤ Model/Type: ELTZON981125- 0.4Ah - ELTSMALLION |
| ➤ Lithium-Ion Cell Battery - 100mAh |
| ➤ Lithium Content: Lithium Ion Cell Battery Weight Of the Battery is 3g Only |
| ➤ Buyer/Client: ELTRON TURBO |
| ➤ Issue Date: 05-03-2025 |
| ➤ Product Mass: 60g (This is Total Weight Of The Product Include Battery) |

Client: ELTRON TURBO

**Client Address: First Floor, NE-87, Gali Number 2,
Vishnu Garden, New Delhi 110018**

GSTIN/UIN : 07AXDPL9083G1Z7

State Name : Delhi, Code : 07

Contact : 9811599668

E-Mail : eltronturbo141@gmail.com

Manufacturer: ELT-ZON TECHNOLOGIES

**Manufacturer Address: 107, Four Storey Qtrs, Tagore Garden Extension,
New Delhi-110027**

GSTIN/UIN: 07AAJFE8654P1ZM

State Name : Delhi, Code : 07

Contact : 9953912161

E-Mail : eltzone81@gmail.com

For ELT-ZON TECHNOLOGIES


Partner

Test Report Date: 08.03.2025

Report No.: ELTIONBATTERYLITHIUM

Lithium cell or battery test summary in accordance with sub-section 38.3 of Manual of Tests and Criteria

| Test Number | Test Name | Purpose | Result |
|-------------|------------------------|--|--------|
| T.1 | Altitude Simulation | Simulates air transport under low-pressure Conditions. | Pass |
| T.2 | Thermal Test | Assesses ability to withstand rapid and extreme Temperature changes. | Pass |
| T.3 | Vibration | Simulates vibration during transport. | Pass |
| T.4 | Shock | Simulates impacts due to rough handling or Transportation. | Pass |
| T.5 | External Short Circuit | Ensures safety If battery terminals are shorted. | Pass |
| T.6 | Impact / Crush | Simulates mechanical abuse. | Pass |
| T.7 | Overcharge | Ensures battery safety when overcharged. | Pass |
| T.8 | Forced Discharge | Ensures safety if battery is forcibly discharged. | Pass |

Conclusion: The Tested Lithium Ion Cell Battery Complies with all UN38.3 requirements for Safe for Transportation. The battery is approved for air, sea, and land shipment under current IATA, ICAO, IMDG, and DOT regulations.

Test Laboratory: ELT-ZON

**Laboratory Address: C-5 3rd Floor, Ajay Enclave,
New Delhi, Delhi - 110018**

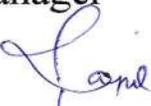
State Name : Delhi, Code : 07

Contact : 9354645673

E-Mail : eltzon383@gmail.com

Tested By : Rohit Kumar - 
Designation: Engineering Manager

Reviewed By : Pankaj - 
Designation: Quality Manager

Approved By : Rahul - 
Designation: Technical Manager

Lithium cell or battery test summary in accordance with sub-section 38.3 of Manual of Tests and Criteria

Sample Type (Rechargeable or Not): This Is Rechargeable Single Lithium Ion Cell Battery

| | | | |
|----------------------------------|--|---------------------------------------|--|
| Product Name | Aircraft Blinking Strobe Led Light In-Built Lithium-Ion Cell Battery | Test Items | Altitude simulation, Thermal test, Vibration, Shock, External short circuit, Crush, Overcharge, Forced discharge |
| Product Type | Single Lithium Ion Cell Battery | Issue Date | 05.03.2025 |
| Model/Type | ELTZON981125- 0.4Ah - ELTSMALLION | Test Report Date | 08.03.2025 |
| Shape | Square Type | Lithium-Ion Cell Battery | 100mAh |
| Sample Mass | 3g (Lithium Ion Cell Battery Only) | Nominal Voltage | 3.7V |
| Product Mass | 60g (This is Total Weight Of The Product Include Battery) | Max. Discharging Current | 100mA |
| Size | 3.0mm*3.0mm*3.0mm | Rated Capacity | 100mA |
| Discharge Cut-off Voltage | 2.75V | Watt-hour | WH <= 20 |
| Discharge Current | 1A | Max. Continuous Charge Current | 2A |

Lithium cell or battery test summary in accordance with sub-section 38.3 of Manual of Tests and Criteria

| Summary of testing: | Testing location: | | | | | | | | | | | | | | |
|--|-------------------|---------------|--------------------------|-----------|-------------------|----------------|------------|-----------------------------|----------------------|------------|-----------------|-----------|-----------------------|-------------|--|
| <p>Tests performed (name of test and test clause):</p> | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th data-bbox="197 562 582 611">Test items</th> <th data-bbox="582 562 879 611">Sample Number</th> </tr> </thead> <tbody> <tr> <td data-bbox="197 611 582 696">T.1: Altitude simulation</td> <td data-bbox="582 611 879 696" rowspan="5">B1# - B4#</td> </tr> <tr> <td data-bbox="197 696 582 745">T.2: Thermal test</td> </tr> <tr> <td data-bbox="197 745 582 795">T.3: Vibration</td> </tr> <tr> <td data-bbox="197 795 582 844">T.4: Shock</td> </tr> <tr> <td data-bbox="197 844 582 929">T.5: External short circuit</td> </tr> <tr> <td data-bbox="197 929 582 1014">T.6: Crush or Impact</td> <td data-bbox="582 929 879 1014">C1# - C10#</td> </tr> <tr> <td data-bbox="197 1014 582 1064">T.7: Overcharge</td> <td data-bbox="582 1014 879 1064">B5# - B8#</td> </tr> <tr> <td data-bbox="197 1064 582 1149">T.8: Forced discharge</td> <td data-bbox="582 1064 879 1149">C11# - C30#</td> </tr> </tbody> </table> | Test items | Sample Number | T.1: Altitude simulation | B1# - B4# | T.2: Thermal test | T.3: Vibration | T.4: Shock | T.5: External short circuit | T.6: Crush or Impact | C1# - C10# | T.7: Overcharge | B5# - B8# | T.8: Forced discharge | C11# - C30# | <p>Test Laboratory: ELT-ZON</p> <p>Laboratory Address: C-5 3rd Floor, Ajay Enclave, New Delhi, Delhi – 110018</p> <p>State Name : Delhi, Code : 07</p> <p>Contact : 9354645673</p> <p>E-Mail : eltzon383@gmail.com</p> |
| Test items | Sample Number | | | | | | | | | | | | | | |
| T.1: Altitude simulation | B1# - B4# | | | | | | | | | | | | | | |
| T.2: Thermal test | | | | | | | | | | | | | | | |
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| T.6: Crush or Impact | C1# - C10# | | | | | | | | | | | | | | |
| T.7: Overcharge | B5# - B8# | | | | | | | | | | | | | | |
| T.8: Forced discharge | C11# - C30# | | | | | | | | | | | | | | |
| <p>The samples' state is good.</p> | | | | | | | | | | | | | | | |
| <p>ELTIONBATTERYLITHIUM of B1#~B2# B5#~B6 are full charged state after first cycle;</p> | | | | | | | | | | | | | | | |
| <p>ELTIONBATTERYLITHIUM of B3#~B4# B7#~B8 are full charged state after 25th cycles;</p> | | | | | | | | | | | | | | | |
| <p>ELTIONBATTERYLITHIUM of C1#~C5# are 50% charged state after first cycle;</p> | | | | | | | | | | | | | | | |
| <p>ELTIONBATTERYLITHIUM of C6#~C10# are 50% charged state after 25th cycles;</p> | | | | | | | | | | | | | | | |
| <p>ELTIONBATTERYLITHIUM of C11#~C20# are full discharged after first cycle;</p> | | | | | | | | | | | | | | | |
| <p>ELTIONBATTERYLITHIUM of C21#~C30# are full discharged after 25th cycles;</p> | | | | | | | | | | | | | | | |

