



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

➤ 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:															
<p>Tests performed (name of test and test clause):</p> <table border="1" data-bbox="197 566 879 1160"> <thead> <tr> <th>Test items</th><th>Sample Number</th></tr> </thead> <tbody> <tr> <td>T.1: Altitude simulation</td><td rowspan="5">B1# - B4#</td></tr> <tr> <td>T.2: Thermal test</td></tr> <tr> <td>T.3: Vibration</td></tr> <tr> <td>T.4: Shock</td></tr> <tr> <td>T.5: External short circuit</td></tr> <tr> <td>T.6: Crush or Impact</td><td>C1# - C10#</td></tr> <tr> <td>T.7: Overcharge</td><td>B5# - B8#</td></tr> <tr> <td>T.8: Forced discharge</td><td>C11# - C30#</td></tr> </tbody> </table> <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>	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>Testing location:</p> <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>
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