

TEST REPORT

Applicant: Shenzhen Hailei New Energy Co., Ltd
Address: Room 101, Building A, No.7, Xiusheng 1st road Xiuxin Community, Kengzi street, Pingshan district, Shenzhen

The following sample was submitted and identified by/on behalf of the client as:

Sample Name: Lithium battery

Trade mark: /

Model No.: LV51314H

Serial Model No.: /

Receiving Date: 2025.10.23

Testing Period: 2025.10.24~2025.10.25

Test Item: IP66

Test Standard(s): IEC 60529:1989+AMD1:1999+AMD2:2013

Test Result(s): See below

Testing laboratory: Shenzhen TCT Testing Technology Co., Ltd.
2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

Tested by: Jack

Inspected by: Dylan

Approved by: Tomsin

Approval Date: 2025.10.27



Specimen Description:

Before the test, the surface of the sample is not damaged, there is no abnormality.

Test condition:

Temperature and humidity of laboratory environment: 23.3°C, 62% RH;

---Dust test (IP6X) :

The test conditions are as follows:

- Using a test probe with a diameter of 1 mm, apply a force of 1N to probe the gap part of the sample;
- Put the sample under negative pressure, pressure difference < 2kpa, and the pumping volume per hour is less than 40 times the shell volume, put it in a dust test chamber containing 2kg/m³ talc for continuous testing for 8 hours.

Temperature and humidity of laboratory environment: 23.2°C, 65% RH;

---Spray water into the test shell with standard test nozzle (IPX6).

The test conditions are as follows:

- a) Nozzle inner diameter: 12.5mm;
- b) Water flow rate :100L/min;
- c) Sprinkler distance sample: 2.5m ~ 3m;
- d) Test time: 3 min;

---After the test is completed, check the sample.

Testing Equipment:

Equipment Name	Model	Calibration dates	Validity period
Rain test device	GK-IPX1-8	2025 - 01- 22	One year
Sand and dust experiment box	GK-SC1000L	2025 - 06 - 26	One year
Test with D probe	ZLT-I04	2025 - 06 - 26	One year

Test Result(s):

Sample No.	Test Item	Test Results	Judgement Result
TS251024D00101	IP66	The test probe cannot penetrate into the sample; After the test, no dust enters the inside of the sample, no water enters the inside of the sample.	PASS
Remark: /			

Photo(s) of the sample(s): IP66



Pre-test sample



Pre-test sample



Under Testing- IPX6



Under Testing- IP6X



Under Testing- IP6X



Post-test sample



Post-test sample



Post-test sample

*******End of Report*******

Important Notice

1. The test report is invalid without the official stamp of TCT.
2. Nobody is allowed to photocopy or partly photocopy this test report without written permission of TCT.
3. The test report is invalid without the signatures of Ratifier, Reviewer and Testing engineer.
4. The report is invalid when anything of following happens – illegal transfer, reproduce, embezzlement, imposture, modification or tampering in any media form.
5. Objections to the test report must be submitted to TCT within 15 days.
6. The test report is valid for the tested samples only.