

TEST REPORT

Report No.

HY202511094

Specimen Description

Lithium Ion Battery

HYSES205-L2

Model/Type

(Refer to the product model declaration)

Application

Jiangxi Huayang New Energy Co., Ltd.

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TEST REPORT

Application : Jiangxi Huayang New Energy Co., Ltd.

Address : West of fushite Avenue and south of photovoltaic Road,
Shangrao Economic and Technological Development Zone,
Jiangxi Province, China

Specimen Description : Lithium Ion Battery

Model/Type : This test Model: HYSES205-L2, Models in the same series:
HYSES205-L1, HYSES205-L3, HYSES205-L4, HYSES205-L5
(Refer to the product model declaration)

Trade mark : N/A

Quantity : 1pcs

Serial/Specimen No. : PO202511096-1#

Specimen Source : Submitted by application

Received Date : Nov.25, 2025

Processed Date : Dec.03, 2025

Test Criteria : IEC 60529:2013

Tested:

Gan Bin Biao

Date:

Dec.18, 2025

Checked:

Eleven Wang

Date:

Dec.18, 2025

Approved:

July Liu

Date:

Dec.18, 2025

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1、 SUMMARY

Table 1 Test overview

Test Items	Test Status	Serial/Specimen No.	Test Conclusion	Processed Date
IP6X test	Non-Operation	PO202511096-1#	Pass	Dec.03, 2025
IPX5 test	Non-Operation	PO202511096-1#	Pass	Dec.04, 2025

2、 AMBIENT CONDITION

Ambient Temperature (°C): 25~26

Relative Humidity (%): 50~53

Atmospheric Pressure (kPa) :100~101

3、 PRODUCT MODEL DECLARATION

This test product model is HYSES205-L2, can cover the same series model HYSES205-L1, HYSES205-L3, HYSES205-L4, HYSES205-L5 (This series model in the appearance and structure of the product is no different, the model HYSES205-L2 is more representative, can cover the test requirements of other models.

4、 INITIAL TEST

Before the test, the specimen exhibited no structural damage.

4.1 Sample Finished Product Image



HYSES205-L1



HYSES205-L2



HYSES205-L3



HYSES205-L4



HYSES205-L5

N/A

5、 IP6X TEST

5.1 Test requirement

Test criteria: IEC 60529:2013

1) Degrees of protection against access to hazardous parts indicated by the first characteristic numeral

The first characteristic numeral 6

The test wire of 1.0mmΦ shall not penetrate and adequate clearance shall be kept.

2) Degrees of protection against solid foreign objects indicated by the first characteristic numeral

The first characteristic numeral 6

The enclosure under test is supported inside the test chamber and the pressure inside the enclosure is maintained below the surrounding atmospheric pressure by a vacuum pump. The object of the test is to draw into the enclosure, by means of depression, a volume of air 80 times the volume of the sample enclosure tested without exceeding the extraction rate of 60 volumes per hour. In no event shall the depression exceed 2kPa, the test is continued until a period of 8h has elapsed.

5.2 Acceptance Criteria

- 1) Adequate clearance shall be kept between the access probe and hazardous parts.
- 2) No deposit of dust shall be observable inside the enclosure at the end of the test.

5.3 Test Results

- 1) Adequate clearance was kept between the access probe and hazardous parts.
- 2) After the test, no dust entered into the specimen.

5.4 Test Conclusion

Pass

5.5 Test Photos

This test model: HYSES205-L2



No.5.5-1 Inspection before test



No.5.5-2 Inspection before test



No.5.5-3 Inspection before test



No.5.5-4 Inspection before test



No.5.5-5 IP6X test (Degree of protection against access to hazardous parts)



No.5.5-6 IP6X test
(Place negative pressure on the specimen)



No.5.5-7 IP6X test (The degree of protection against the entry of solid foreign objects)



No.5.5-8 Inspection after test



No.5.5-9 Inspection after test (Upper cavity)



No.5.5-10 Inspection after test (No dust ingress)



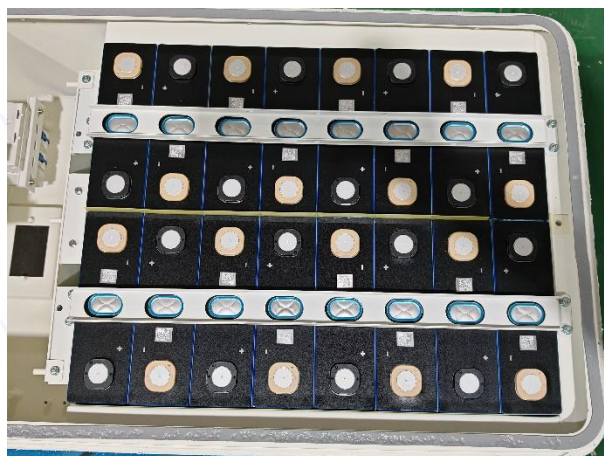
No.5.5-11 Inspection after test (No dust ingress)



No.5.5-12 Inspection after test (No dust ingress)



No.5.5-13 Inspection after test (Lower cavity)



No.5.5-14 Inspection after test (No dust ingress)



No.5.5-15 Inspection after test (No dust ingress)



No.5.5-16 Inspection after test (No dust ingress)

6、 IPX5 TEST

6.1 Test requirement

Test criteria: IEC 60529:2013

Degrees of protection against water indicated by the second characteristic numeral

The second characteristic numeral 5

The test is made by spraying the enclosure from all practicable directions with a stream of water from a standard test nozzle. The conditions to be observed are as follows:

- a) internal diameter of the nozzle: 6.3mm.
- b) delivery rate: 12.5L/min $\pm$ 5%.
- c) water pressure: to be adjusted to achieve the specified delivery rate.
- d) core of the substantial stream: circle of approximately 120mm diameter at 2.5m distance from nozzle.
- e) distance from nozzle to enclosure surface: between 2.5m and 3m.
- f) test duration: 3 min.

6.2 Acceptance Criteria

After the test, there should be no water entering the interior of the specimen.

6.3 Test Results

After the test, no water entered into the specimen.

6.4 Test Conclusion

Pass

6.5 Test Photos



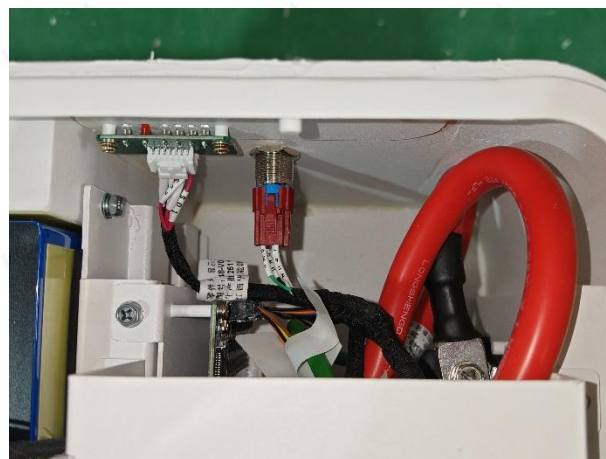
No.6.5-1 IPX5 test



No.6.5-2 Inspection after test (Upper cavity)



No.6.5-3 Inspection after test (No water ingress)



No.6.5-4 Inspection after test (No water ingress)



No.6.5-5 Inspection after test (Lower cavity)



No.6.5-6 Inspection after test (No water ingress)

APPENDIX A EQUIPMENT USED FOR TEST**Table 2 Equipment used**

No.	Equipment	Equipment No.	Model/Type	Manufacturer	Due to
1	Test tool D	SB2019029	AUTO-D	AUTO	Apr.02, 2026
2	Work-in dust chamber	SB2019017	GK-SC14000	GUANG BO	Jun.11, 2026
3	Water resistant test system	SB2019018	AUTO-IP*3/4/4k/5/6	AUTO	Jun.11, 2026

APPENDIX B IMPORTANT STATEMENTS

STATEMENTS

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