TEST REPORT

中国认可 检测 TESTING CNAS L7730

Client name: Huizhou Epever Technology Co., Ltd.

Client address: No.103, Dongxing Rd, Chenjiang Street, Zhongkai High-Tech Zone, Huizhou, China

Sample name: Residential Hybrid Inverter

Sample model: ELS3K, ELS3K6, ELS4K, ELS4K6, ELS5K, ELS6K

Sample quantity: 1PC (1#)

Sample receipt date: Aug.29, 2024

Testing period: Aug.29, 2024 to Aug.30, 2024

Test item: As specified by client, to done IP65 Test on the commissioned sample.

Test method: IEC 60529-2013.

Test result: PASS.

Tested by: Sam (Signature) Inspected by: David (Signature) Approved by: Larson (Signature)

Shenzhen HuaYao Compliance Testing Laboratory Co.,Ltd.

Issued Date: Sep.03, 2024

Notes:

The test report is responsible to the sample accepted by the laboratory only, The test report is invalid without the stamp of "signature seal of test unit", the modified report is invalid, The part of Copy report is invalid, The test report without the signatures of operator, supervisor and manager is invalid; when there is disagreement to the test report, The test unit should be informed within 10 days since the report is received by the client, Overdue information will not be accepted.

1.IP6X test

Description of sample:

Test before, Sample aspect no damage, no abnormal phenomenon.

Sample quantity: 1PC (1#)

Test condition and requirement:

--Conditions:

1) Dust-proof Test Against access to hazardous parts with:
The test wire of 1.0 mm Ø shall not penetrate and adequate clearance shall be kept.
2) Dust-proof Test Against ingress of solid foreign objects:
a) Product suction negative pressure, in the dustproof test box, the powder circulation pump in the closed test box can make the talc suspended, the talc is filtered through the metal square hole, the wire diameter of 50μm, the sieve size of 75μm, the talc amount is 2kg per cubic meter of the test box volume, and the number of uses is not more than 20 times;
b) Test duration: 8 hours.

--Requirements:

1) Dust-proof Test Against access to hazardous parts with:
The protection is satisfactory if adequate clearance is kept between the access probe and hazardous parts.
2) Dust-proof Test Against ingress of solid foreign objects:
The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.

Test equipment or instrument:

Internal number	Test Equipment	Type	Valid until
HY-ES-034	Test probe 41	GS-IP41	2025-08-07
HY-RE-130	Sand and dust test chamber	XM-SC1000	2025-04-07

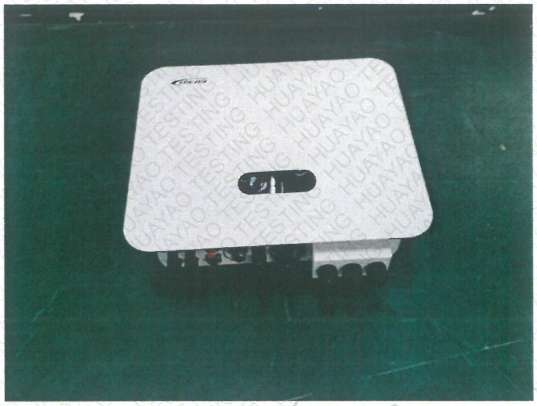
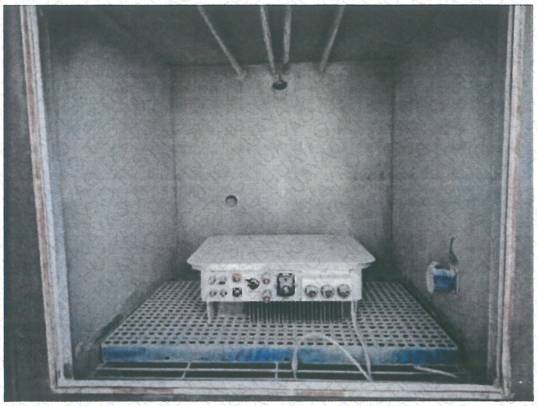
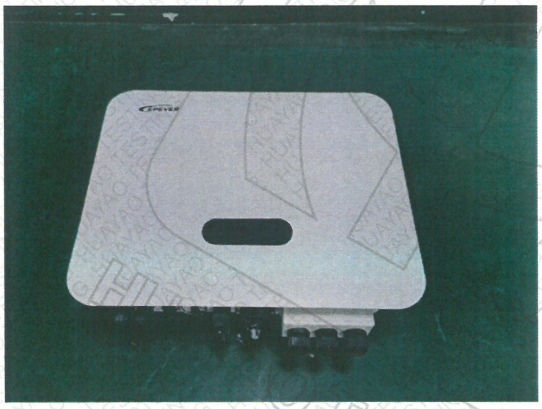
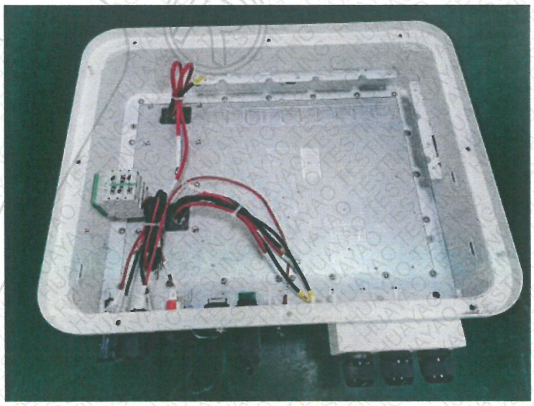
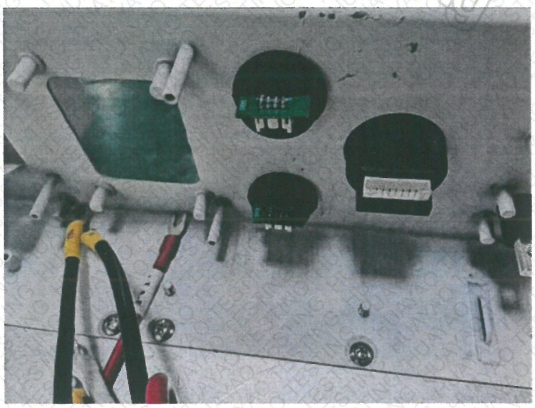
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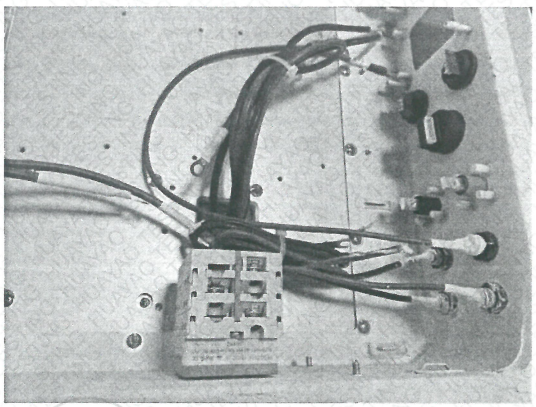
Test item	Test result	Conclusion
Dust-proof Test Against access to hazardous parts with	After the test, The test wire of 1.0 mm Ø cannot enter the sample.	PASS
Dust-proof Test Against ingress of solid foreign objects	After the test, the appearance of the sample is normal, and there is no dust inside.	PASS

Note: Test environment temperature and Relative humidity: 25℃, 55%RH.

--Appendix Photos:

IP6X test

	
Before test-1#	During test
	
After test-1#	After test-1# (No dust inside)
	
After test-1# (No dust inside)	After test-1# (No dust inside)



After test-1# (No dust inside)

HUAYAO Testing

2. IPX5 test

Description of sample:

Test before, Sample aspect no damage, no abnormal phenomenon.

Sample quantity: 1 PC (1#)

Test condition and requirement:

-- Conditions: Waterproof test to plug in the power cord, do not need to power, tighten the power cord to test.

a) Test equipment: the inner diameter of the nozzle nozzle is 6.3mm;

b) Test conditions: the distance between the test sample and the spray nozzle was 2.5m ~ 3m, and the water flow was 12.5±0.625L/min;

c) Test time: calculated according to the surface area of the shell of the sample to be tested, 1min per square meter (excluding the installation area) at least 3min.

d) Requirements: Spray water in all directions to the shell without harmful effects.

Test equipment or instrument:

Internal number	Test Equipment	Type	Valid until
HY-RE-019	Waterproof device	OJN-9802	2025-02-21

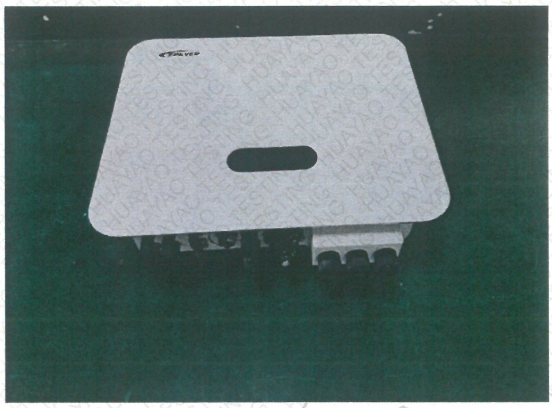
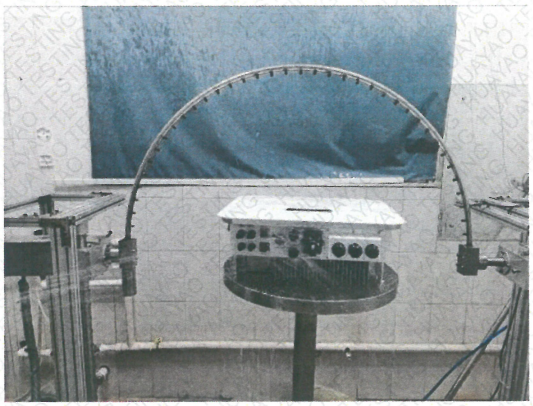
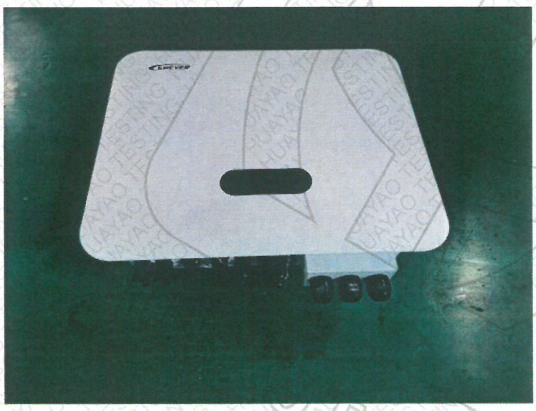
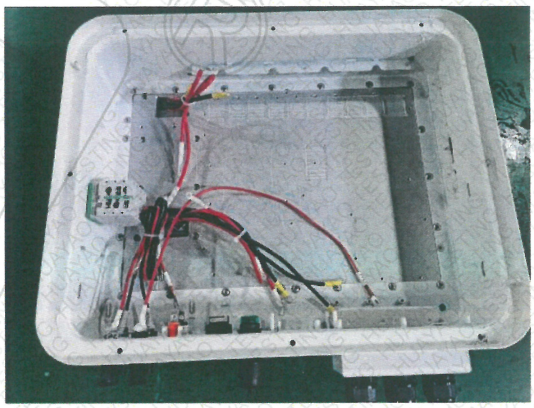
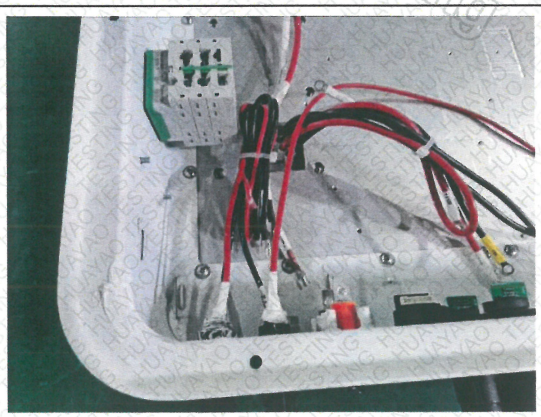
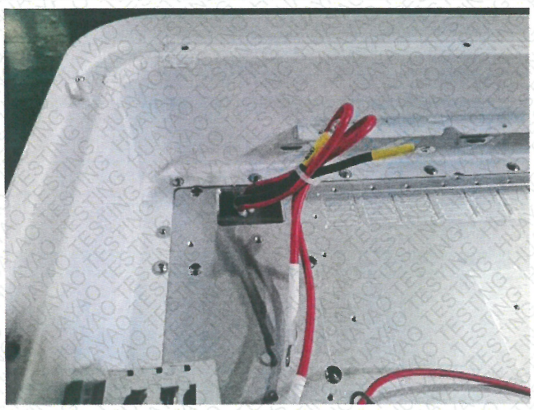
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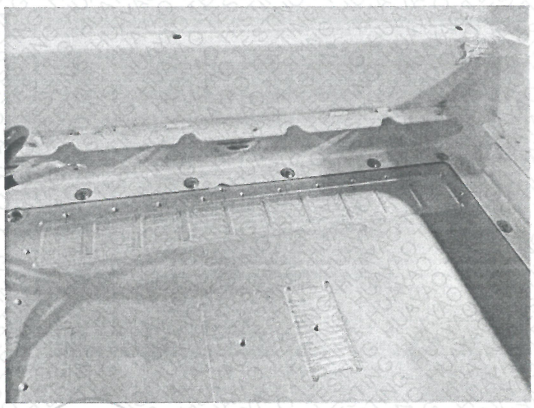
Test item	Test result	Conclusion
IPX5 test	After the test, the appearance of the sample is normal, and there is no water inside.	PASS

Note: Test environment temperature and Relative humidity: 25.2℃, 57%RH.

--Appendix Photos:

IPX5 test

	
Before test-1#	During test
	
After test-1#	After test-1# (No water inside)
	
After test-1# (No water inside)	After test-1# (No water inside)



After test-1# (No water inside)

End of Report

DECLARATIONS

1. The issuing laboratory is accredited by China National Accreditation Service for Conformity, Assessment under accreditation certificates No. L7730.

2. The results relate only to the items tested.

3. This test report shall not be reproduced except in full without the written approval of our laboratory.

4. If there is any objection concerning the test data, the client should inform the issuing laboratory within 10 days from the date of the report under test return to the client.

5. This report is invalid when without seal of Inspection Unit.

6. This report is invalid when without signatures of approver.

7. The number of this report is the same as the number of the relative original record.

8. The laboratory is with responsibility for the received sample and the result of the test can only reflect the evaluating of the sample. Therefore, examine company do not bear any liability for loss direct or indirectly caused to applicant by this result of the report.