

# **Test Report**

SUER230900061471 Release date.....: 2023-10-12 Report No. ....:

Applicant's name .....: Shanghai PYTES Energy Co., Ltd.

No. 3492 Jinqian Road, Qingcun Town, Fengxian District, Shanghai,

China

Laboratory name and

SGS-CSTC Standards Technical Services Co., Ltd. Suzhou Branch address.....:

No.10, Weiye Road, Kunshan Development Zone, Suzhou, Jiangsu,

China

**Product Description.....:** V-BOX-OC

Supplier Model No .....: V-BOX-OC

S/N No....:

Sample status ....:: Good



Sample receipt date .....: 2023-09-27 No. of samples....: 1

Date of Test .....: 2023-09-28 to 2023-09-29

Test Standard....: IEC 60529:1989/AMD2:2013/COR1:2019 Degrees of protection

provided by enclosures (IP Code)

Conclusion ....:: See following pages

Remark /Note ....: 1) The test results presented in this report relate only to the object

tested.

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the laboratory.

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Tested by:

Approved by:

Frank Fang

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



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## **Summary of Results**

No	Test Item	Reference Standard	Result	Sample number
1*	IP5X dustproof test	IEC 60529:1989/AMD2:2013/COR1:2019 Degrees of protection provided by enclosures (IP Code)	Pass	1#
2*	IPX5 waterproof test	IEC 60529:1989/AMD2:2013/COR1:2019 Degrees of protection provided by enclosures (IP Code)	Pass	1#

Note: Pass: Meet the requirements;

Fail: Does not meet the requirements;

/: Not apply to the judgment.

Item 1\*~2\* test site: No.8, Xin'anjiang East Road, High-tech Industrial, Development Zone, Changshu, Jiangsu, China



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## 1. Test Item: IP5X Dustproof Test

## **Environmental requirement:**

Ambient Temperature: 15~35 °C; Relative Humidity: 25~75 %RH; Atmos: 86~106 kPa.

### Reference standard:

IEC 60529:1989/AMD2:2013/COR1:2019 Degrees of protection provided by enclosures (IP Code)

### **Test condition:**

Simulated dust	Talcum powder
Dust Usage	2 kg/m³
Pumping	No
Test duration	8h

### Test acceptance requirements:

After test, there should be no dust inside.

### Test result:

Meet the judgment requirements.

Sample Number	Test Result	
1#	After test, there is no dust inside.	

#### Conclusion: Pass

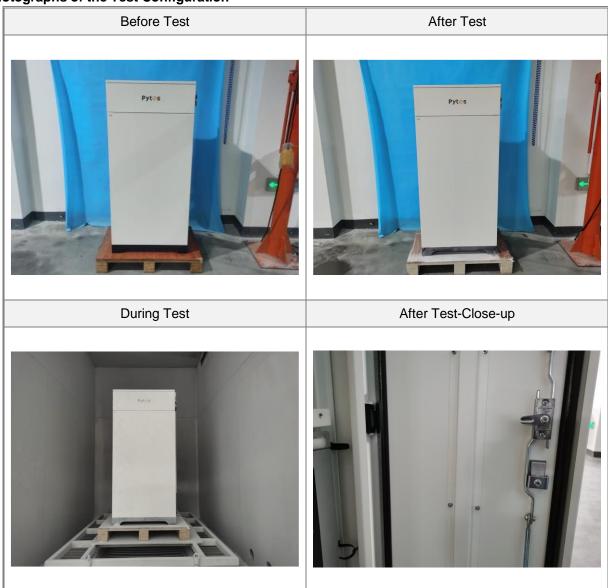
The sample meets the test requirements.



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**Photographs of the Test Configuration** 







## 2. Test Item: IPX5 Waterproof Test

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### **Environmental requirement:**

Ambient Temperature: 15~35 °C; Relative Humidity: 25~75 %RH; Atmos: 86~106 kPa.

#### Reference standard:

IEC 60529:1989/AMD2:2013/COR1:2019 Degrees of Protection Provided by Enclosures (IP Code)

### **Test condition:**

Water Flow	12.5(1±5%) L/min	
Nozzle diameter	6.3 mm	
Test Distance	2.5m~3m	
Test duration	1 min per square meter calculated according to the surface of the sample shell, test for at least 3 min	

## Test acceptance requirements:

After test, there should be no water inside.

### Test result:

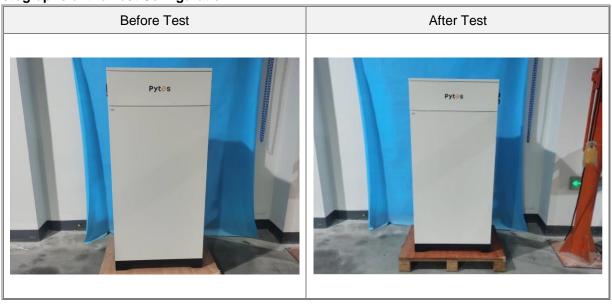
Meet the judgment requirements.

Sample Number	Test Result	
1#	After test, there is no water inside.	

## Conclusion: Pass

The sample meets the test requirements.

## **Photographs of the Test Configuration**





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## **Testing Instrument and Equipment**

Equipment	Equipment No.	Calibration Date	Next Calibration Date
Walk-in Dustproof Test Chamber	IP-HK00-16	2023-05-29	2024-05-28
Waterproof Test Machine	IP-XK00-03	2022-12-29	2023-12-28
Steel Tape	JSDYQ-197	2022-10-28	2024-10-27
Thermometer	JSDYQ-108	2022-06-20	2024-06-19

-----End of Report-----