

Test Report

Report No.....: SHER2306000196771 **Release date** : 2023-10-12
Applicant's name: Shanghai PYTES Energy Co., Ltd.
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Laboratory name and address: SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
No. 588 West Jindu Road, Songjiang District, Shanghai, China
Product Description: R-BOX-OC (IV)
Supplier Model No: R-BOX-OC
S/N No: -
Sample status.....: Good



Sample receipt date: 2023-07-06 **No. of samples**.... : 2
Date of Test: 2023-07-13 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
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Tested By:

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Approved by:

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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
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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	2#

Note: Pass: Meet the requirements;

Fail: Does not meet the requirements;

/: Not apply to the judgment.

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

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/m ³
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.

Photographs of the Test Configuration

Before Test	After Test
	
During Test	After Test-Close-up
	

2. Test Item: IPX5 Waterproof 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:

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.

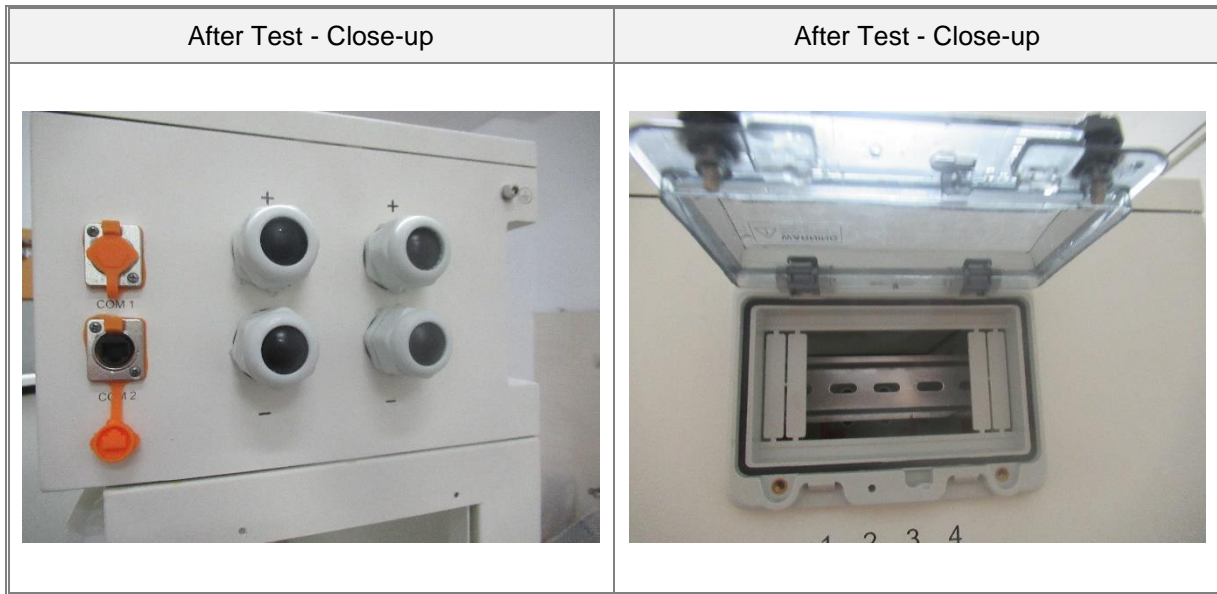
Sample Number	Test Result
2#	After test, there is no water inside.

Conclusion: Pass

The sample meets the test requirements.

Photographs of the Test Configuration

Before Test	After Test
	
During Test	After Test - Close-up
	



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
Water proof test equipment (IPX1-8)	SHES806401	2023-06-06	2024-06-05

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