

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

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:

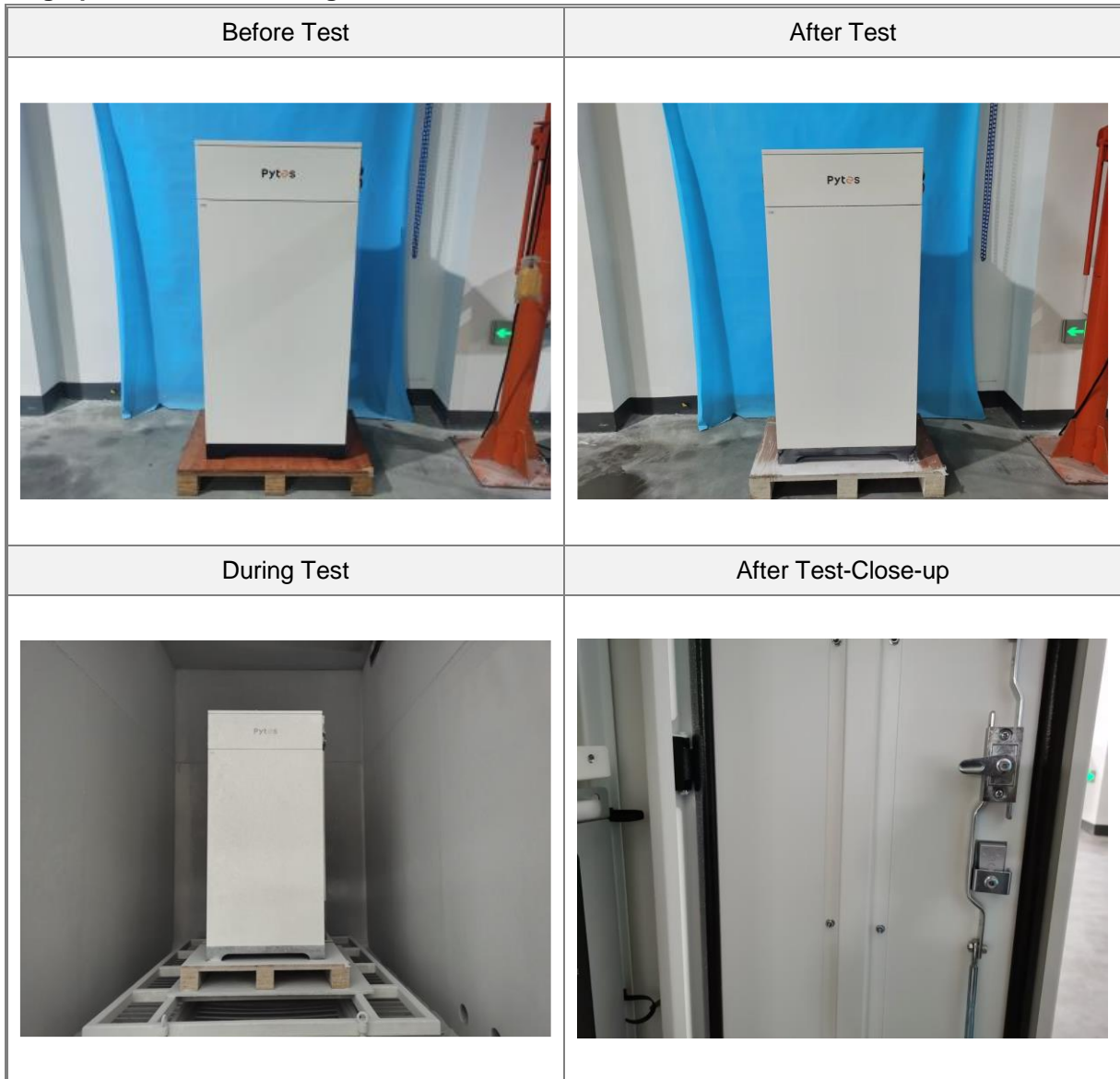
Meet the judgment requirements.

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



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:

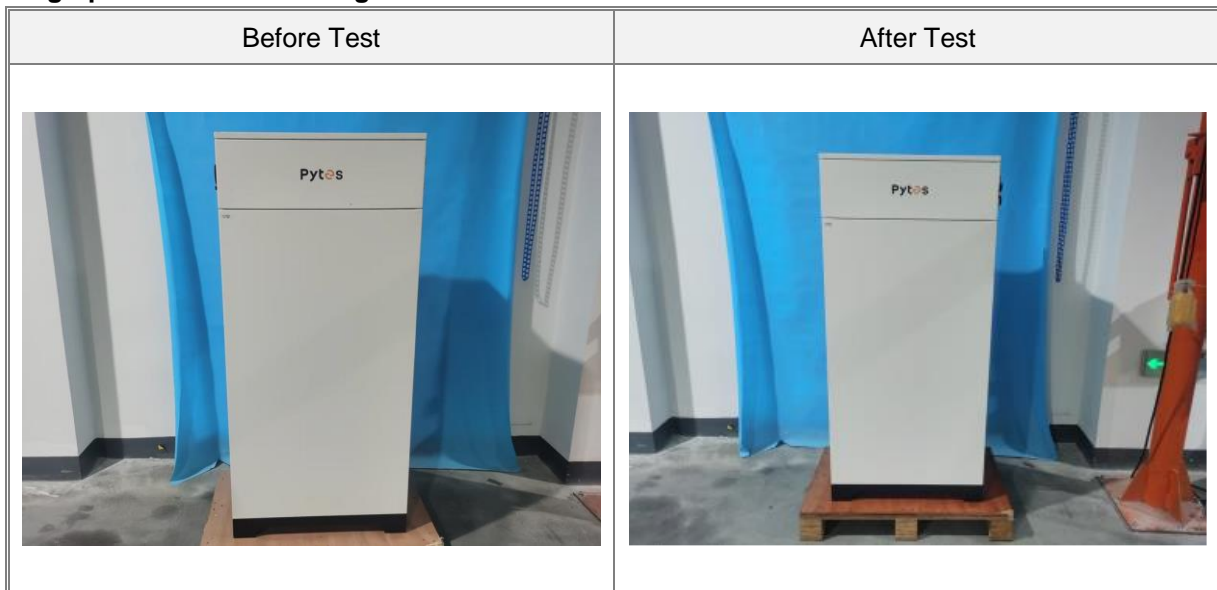
Meet the judgment requirements.

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

Conclusion: Pass

The sample meets the test requirements.

Photographs of the Test Configuration





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

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