

# TEST REPORT

Report No: 20251010K30213

Product: Rechargeable Li-ion Battery

Type: V16

Applicant: Shanghai PYTES Energy Co., Ltd.



中认英泰检测技术有限公司

CQC INTIME TESTING TECHNOLOGY CO., LTD.

## TEST REPORT

Product Name : Rechargeable Li-ion Battery

Product Type: V16

Quantity: 2pcs

Applicant: Shanghai PYTES Energy Co., Ltd.

Address: No.3492 Jinqian Road, Fengxian District, Shanghai, China

Manufacturer: Shanghai PYTES Energy Co., Ltd.

Address: No.3492 Jinqian Road, Fengxian District, Shanghai, China

Test Item: IP66 test

Test basis: IEC 60529:2013

Deviation : -

Related specifications: -

Sample Receive Date: 2025/10/15

Test Date: 2025/10/17

Test Result: Pass. After test, 1#, 2# sample were normal in appearance. 1# sample after IP6X test, the test needle with diameter of 1mm failed to enter the shell, there is no obvious dust entering the sample shell. 2# sample after IPX6 test, there were no obvious water stains inside.

Test Site: No.236 CaoFeng Rd., Xukou Town, Wuzhong District, Suzhou, Jiangsu, China

Remark: -

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## 1 IP66 test

### 1.1 Atmospheric Environment

Ambient Temperature:	27.7~28.1°C
Ambient Humidity:	58.1~58.9%RH
Air Pressure:	100.3~101.1kPa

### 1.2 Test Equipment

No.	Equipment Management No.	Test Equipment	Model	Expiration Date To
1	ITCK170401	Walk-in dust chamber	SC-60	2026-01-11
2	ITCK220416	Rigid steel	1mm	2026-01-14
3	ITCK170201	Push-pull gauge	50N	2026-01-05
4	ITCK170210	Hose spray test device	RPS	2026-01-06
5	ITCK220502	Stopwatch	LW-1032	2026-01-06
6	ITCK170503	Steel tape measure	5m	2026-01-17

### 1.3 Test Conditions

IP6X	Against solid foreign objects indicated	Place the sample in the chamber according to the normal placement. The dust used was talc powder, and the dosage of talc powder was 2kg/m <sup>3</sup> . The sample is pumped at an pumping rate of not more than 40 times the shell volume for 8 hours, and the pressure difference in the sample shell is maintained not more than 2kPa.
	Against access to hazardous parts	The test wire of 1.0 mm $\phi$ shall not penetrate and adequate clearance shall be kept, test force is 1N $\pm$ 0.1N.
	Sample	1#
IPX6	condition	Internal diameter of the nozzle: 12.5mm; Delivery rate: 100L/min $\pm$ 5 %; Minimum test duration: 3 min; Distance from nozzle to enclosure surface: between 2.5m and 3m.
	Sample	2#

### 1.4 Test Basis

IEC 60529:2013

### 1.5 Acceptance Criterion

After IP6X test, there should no deposit of dust is observable inside the enclosure, test needle with a diameter of 1 millimeter should not enter the shell.

There should be no water ingress inside the sample after IPX6 test

## 1.6 Test Result

Pass. After test, 1#, 2# sample were normal in appearance. 1# sample after IP6X test, the test needle with diameter of 1mm failed to enter the shell, there is no obvious dust entering the sample shell. 2# sample after IPX6 test, there were no obvious water stains inside.

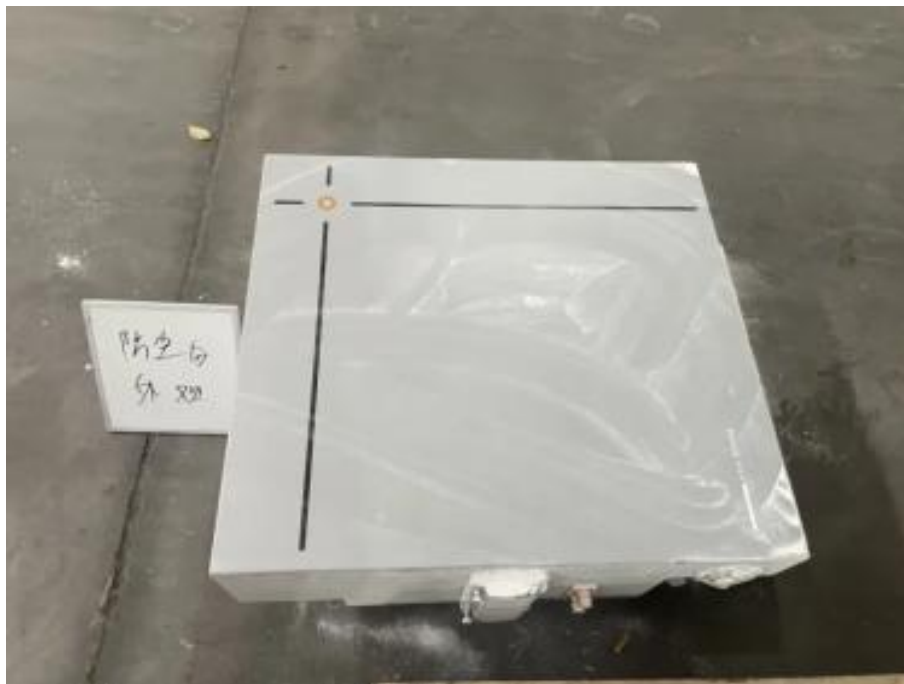
## 1.7 Test Pictures



IP6X Setup after test-(Against solid foreign objects indicated)-1#



IP6X(Against access to hazardous parts) -1#



1# sample after test



2#-IPX6 Setup



2# sample after test

## Statement

1. The report is invalid without the special seal for inspection and testing of the test department.
2. Any changes, modifications, or partial photocopy of this report without the written approval of the laboratory shall be deemed invalid. The report shall be used properly and legally.
3. The inspection and testing results are only valid for the tested samples.
4. The representativeness and authenticity of the samples submitted for testing shall be the responsibility of the client.
5. The test results given in this test report should only be used for purposes of scientific research, teaching and internal quality control when the CMA mark is not presented.
6. Objections to the inspection and testing results shall be submitted to the laboratory in written form within 10 days after receiving the report.

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**Report Ends**