

TTS



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国际互认
检测
TESTING
CNAS L2817

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TEST REPORT

Sample Name: Rechargeable Li-ion Battery Storage System

Applicant Name: Guangzhou Felicity Solar Technology Co., Ltd.

Manufacturer: Guangzhou Felicity Solar Technology Co., Ltd.

Supplier: /

Buyer: /

Shenzhen Yitong Testing Technology Co., Ltd



TEST REPORT

Applicant Name: Guangzhou Felicity Solar Technology Co., Ltd.

Address: (Airport Baiyun) No.2, 4, 6, 8, 10 and 12 Donghua Huaye Road, Renhe Town,
Baiyun District, Guangzhou, Guangdong, P. R. China

Sample Information

Sample Name: Rechargeable Li-ion Battery Storage System
Sample No.: WZH091304009-1-1
Sample Model: FLH-E60
Sample Size: /
Sample Weight: /
Sample Quantity: 1 PC
Sample Description: Normal
Sample Supplied By: Client
Manufacturer: Guangzhou Felicity Solar Technology Co., Ltd.

Test Information

Test Items: IP55
Received Date: Mar 27, 2026
Testing Date: Mar 30, 2026
Test Environment: 25.1 °C, 58 %RH/25.3 °C, 59 %RH
Preconditioning: /

Test Result

Sample No.	Test Items	Test Result
WZH091304009-1-1	IP5X	The test stick which diameter is 1.0 mm cannot enter the gap of the sample. After dust test, there is no dust getting into the sample.
	IPX5	After the test, there is no water getting into the sample.

Authorized: *Dicky Huang*

Issue Date: 2026-04-13

Test Item 1: IP5X

1. Test Standard: IEC 60529: 2013

2. Test Equipment:

Equipment Name	Equipment Model	Equipment No.	Calibration Useful-life
Ø1.0×100mm Thrust Probe D Test Stick	FZ-1107C-1	TTS-YQ-355	Oct 19, 2026
Dust Proof Chamber	FZ-9617B	TTS-YQ-264	Sep 25, 2026

3. Remark & Notes:

- (1) Observe whether the test stick whose diameter is 1.0 mm could enter the gap of the sample.
- (2) Place the sample into the Dust Proof Chamber, no connection with vacuum pump, the pressure in the sample remains the same as atmospheric pressure, the quality of talcum powder used for the test shall be 2 kg/m³.
- (3) During the test, keep the drain hole open for 8 h continuous test.
- (4) Check if dust getting into the sample after the test.

Test Item 2: IPX5

1. Test Standard: IEC 60529: 2013

2. Test Equipment:

Equipment Name	Equipment Model	Equipment No.	Calibration Useful-life
Waterproof grade testing equipment	IPX1-7	TTS-YQ-377	Jul 17, 2026

3. Test Remark & Notes:

(1) Use spray nozzle to spray water on the sample in all directions, and the test conditions are as below:

--- Inside nozzle diameter: 6.3 mm

--- Water flow: (12.5 ± 0.625) L/min

--- Water pressure: Adjusting as the required water flow

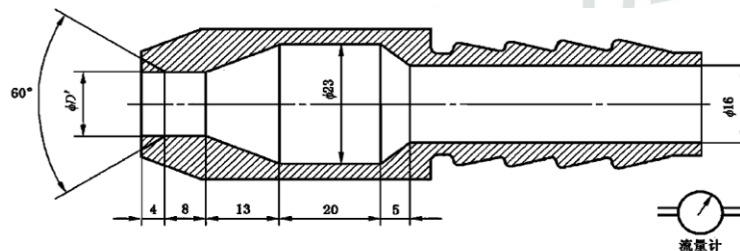
--- Center part of the main flow:

The round which diameter is 40 mm and 2.5 m away from the spray nozzle

--- Test time: 5 min

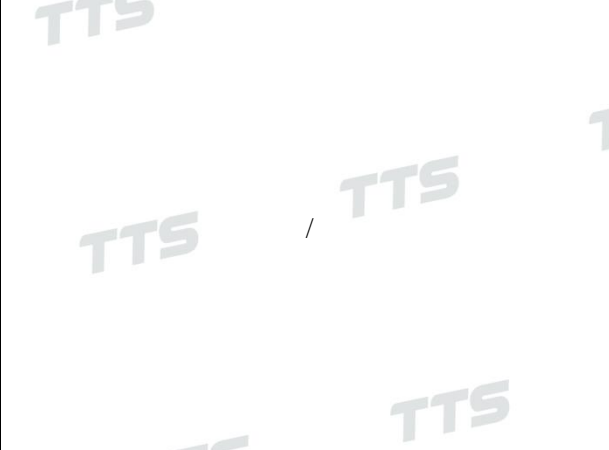
--- The distance between spray nozzle and surface of the cover: 2.5 m to 3 m

(2) Check if water getting into the sample after the test.



Appendix: Test Pictures

Pre-test:



Sample WZH091304009-1-1

Testing: IP5X:



The test stick cannot enter the gap of the sample

IPX5:





Post-test:

IP5X:



No dust getting into the sample

IPX5:



No water getting into the sample

--- END OF THE REPORT ---

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