



**讯科检测**  
XUNKE TESTING



中国认可  
国际互认  
检测  
TESTING  
CNAS L12530

# Test Report

**Sample Name:** Lithium battery pack

**Client Name:** Eway Energy Technology (Wuhan) Co.,Ltd

**Test sort:** Commissioned test

**Report date:** 2025.12.05

(Special stamp for inspection)

**Shenzhen Xunke Standard Technology Service Co.,Ltd.**

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# Test Report

Report No.XKS202512010003E

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Detection Category	<input checked="" type="checkbox"/> Commissioned test <input type="checkbox"/> Routine test <input type="checkbox"/> Evaluation test <input type="checkbox"/> Type test		
Sample Source	<input checked="" type="checkbox"/> Client to send samples <input type="checkbox"/> Sampling		
Client	Eway Energy Technology (Wuhan) Co.,Ltd		
Client Address	NO.18 Liufangyuan South Road, East Lake New Technology Development Zone,wuhan Cit, Hubei PRO, CHINA		
Manufacturer	Eway Energy Technology (DanJiangKou) Co.,Ltd		
Manufacturer Address	Yanwei (Danjiangkou) New Energy SmartIndustrial Park, Danjiangkou City, Hubei Province, China		
Sample Name	Lithium battery pack	Logo	/
Sample Model	UNIV-16kWh	Production Serial Number	(525*720*245)mm
Sample Quantity	1pc	Sample Number	XKS202512010003
Date of Sample Receive	2025.12.01	Test Date	2025.12.01~2025.12.04
Environment Condition	Temperature: 25°C Relative humidity: 51%RH		
Test Method	IEC 60529:2013		
Requested/Item	IP65		
Detection address	<input checked="" type="checkbox"/> 1F, D2 Building, Qiangrong East Industrial Zone, No. 723, Zhoushi Road, Jiuwei Community, Hangcheng Street, Baoan District, Shenzhen <input type="checkbox"/> 2nd floor, Huamei Electronics Factory, E2 Building, Qiangrong East Industrial Zone, No. 723, Zhoushi Road, Jiuwei Community, Hangcheng Street, Baoan District, Shenzhen		
Test Results	See the next page		
Note	1. The above information and samples are provided and confirmed by the entrusted unit, and the agency is not responsible for confirming the authenticity, accuracy and/or completeness of the information provided by the customer, but only responsible for the samples. 2. Test results are for reference only. 3.The model for this test is: UNIV-16kWh 4.The sample was tested after being treated with glue		

Writed by: Wei Yang

Reviewed by: Quan Wu Yang

Approved by: Shengbiao





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## 1.Test requirements

According to IEC 60529:2013,IP65 test was performed on the samples.

## 2.Additional model

Test model	Additional model
UNIV-16kWh	UNIV-14.3kWh

Enterprise Statement: The above-mentioned additional models and test models have no differences in circuit principles, materials, processes, accessories or structures. They are merely derivative models generated due to the different regions of the customers they are sold to. The circuit principle, material, process, accessories and structure of the produced products are consistent.

## 3.Test equipment

Equipment name	Model	Calibration date
Sand and dust test room	TL-SC56-19F	2025.03.27~2026.03.26
Test Probe D	GR-F4D	2025.04.19~2026.04.18
3 - 6 Rain test devices	TL-IPX3-6	2025.08.09~2026.08.08

## 4.Test conditions

Test items	Test conditions
IP6X	Using $\phi$ 1mm test probe is used to detect the gaps in the sample, with a testing force of 1N. Place the sample in a test chamber containing 2kg of talcum powder per cubic meter to begin the test. During the test, the sample remains in a vacuum state with a maximum pressure difference of 2kPa, and the gas extraction speed is less than 40 times the shell volume per hour. The test lasts for 8 hours.
IPX5	Nozzle inner diameter: 6.3mm Water flow rate: $(12.5 \pm 0.625)$ L/min The distance from the sample to the nozzle: 2.5m-3m Test duration: 3 minutes

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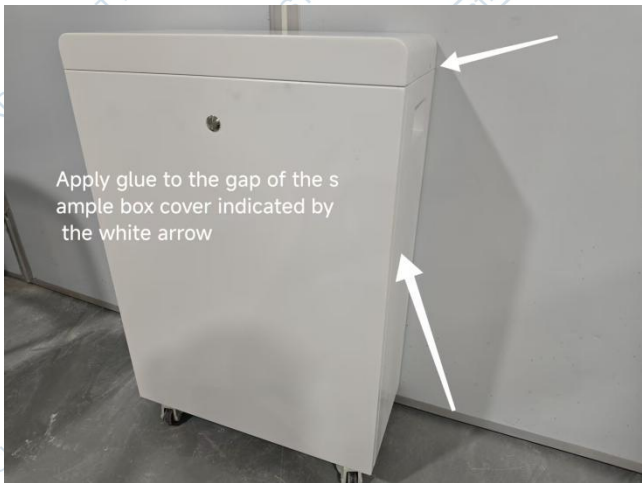
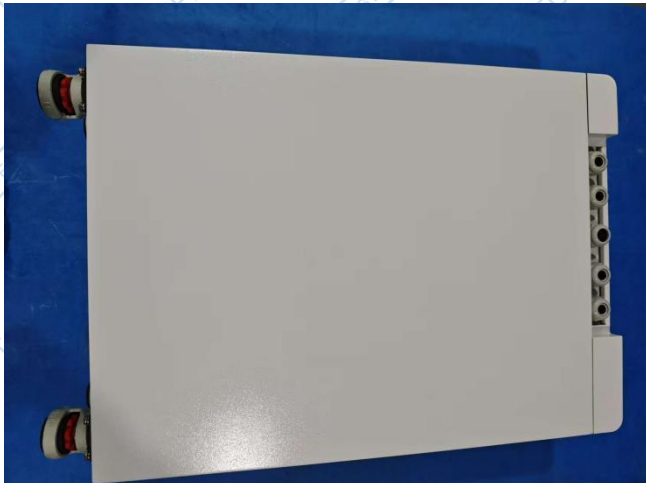
## 5.Decision conditions

Test items	Decision conditions
IP6X	The probe should not be able to enter the interior of the sample. After the test, disassemble it to check that there is no dust entering the interior of the sample.
IPX5	There should be no water ingress inside the sample after the test.

## 6.Test results

Test items	Test result	Determine
IP6X	The probe cannot enter the interior of the sample. After the test is completed, check that no dust has entered the sample.	Pass
IPX5	After the test, disassemble the sample to check that no water has entered the interior.	Pass

## 7.Sample photo

Gluing treatment	Before the test
 <p>Apply glue to the gap of the sample box cover indicated by the white arrow</p>	



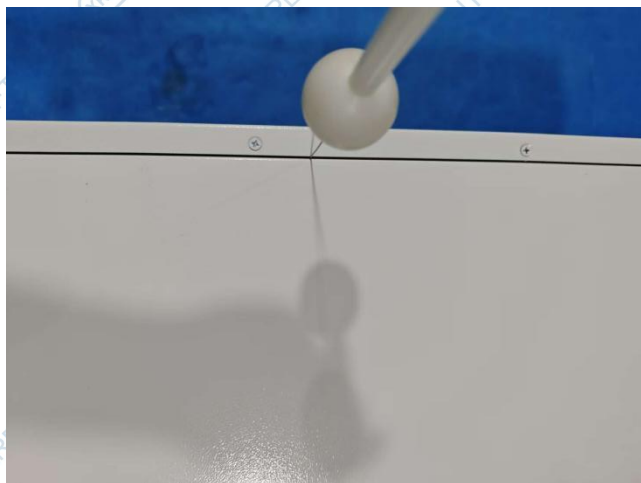
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## 7.Sample photo(continued)

φ 1mm probe testing



In the IP6X test



After the IP6X test



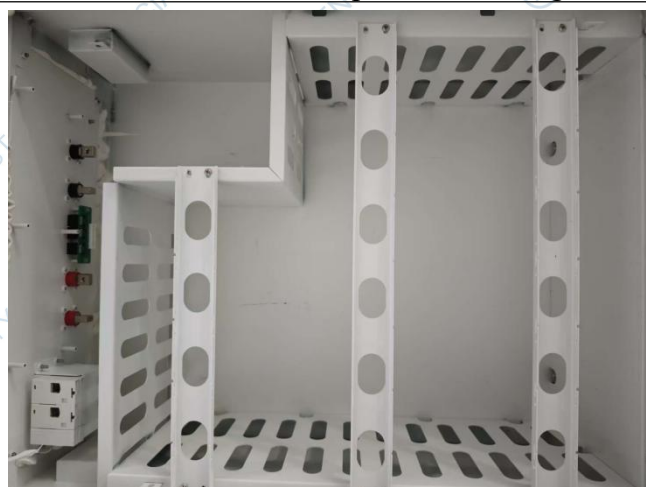
In the IPX5 test



After the IPX5 test



Disassemble and inspect after testing



# Report Description

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1.对本报告有异议，请在收到报告十五日之内书面提出。

There is any discrepancy in this report, please after receipt of the report made in writing within 15 days.

2.本报告无讯科标准报告章及签名无效。任何时候，未经讯科标准书面批准，不得部分复制检测报告。

This report is considered invalidated without the Special Seal for Inspection of the XKS. At any time ,without the written approval of XKS report shall not be part of the copy detection.

3.委托单位对样品的代表性和资料的真实性负责，否则本单位不承担任何相关责任。

The authorized agencies responsible for the authenticity of the representative of the sample and the information, otherwise, the unit does not undertake any responsibility.

4.本报告仅对所测样品负责。对于测试数据的使用及使用所产生的直接或间接损失及一切法律后果，本单位不承担任何经济和法律责任。

This report is only responsible for the test sample.For the use of test data and the use of direct or indirect losses and legal consequences, My company does not undertake any economic and legal responsibility.

5.不可重复性或不可复测的样品，委托单位放弃复测的权利。除非本公司进行抽样，并已在报告中说明，否则报告中适用于送测的样品（样品信息为客户提供），不适用于批量。

Do not repetitive or retest samples, entrust unit giving up of retest. The Report refers only to the tested sample (Sample information is provided by customer) and does not apply to the bulk, unless the sampling has been carried out by the Company and is stated as such in the Report.

6.除非相关政府部门、法律或法院要求，否则未经公司预先书面同意，本公司毋庸，也并无义务到法院对有关报告作证。

The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

7.如果本公司确定报告被不当地使用，本公司保留撤回报告的权利，并有权要求其它适当的额外赔偿。本公司接受样品进行测试的前提是，该测试报告不能作为针对本公司法律行动的依据。

In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

8.若需要在法院审理程序或者仲裁过程中使用测试报告，客户必须在提交测试样品前将该意图告知本公司。

Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

9.若委托方指令本公司对样品进行留样，所有的样品保留期最长为 15 个工作日或样品性质允许的最短期限，到期后本公司终止对该样品的任何责任，并将依照内部管理指令对样品进行处置。若委托方未书面提出本公司对样品进行留样，本公司将依照内部管理指令进行处置样品。

Fifteen working days later,my company has the right to the complete test after processing the measured samples.

10.本单位保证测试的客观公正性，对委托单位的商业信息，技术文件等商业秘密履行保密义务。任何情况下，本公司不必提供任何被处理的过期数据或信息。即使本公司事先被告知可能会发生相关的损害，本公司在任何情况下也不必承担任何损害，包括（但不限于）补偿性赔偿、利润损失、数据遗失、或任何形式的特殊损害、附带损害、间接损害、从属损害或任何违反约定、违反承诺、侵权（包括疏忽）、产品责任或其他原因的惩罚性损害。

My company to ensure that the test objective, impartial to entrust units of the commercial information, technical documents such as commercial secrets confidential obligations.The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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