



地址：中国广东省广州市天河区珠江新城花城大道66号B座 邮编Postcode: 510623

Add.: Tower B, No.66 Huacheng Avenue, Zhujiang Xincheng, Tianhe District, Guangzhou, Guangdong, P.R.C.

电话Tel: 020-22131000 邮箱Email: ppdc@iqtenet.cn 网址Website: <https://www.iqtenet.cn>

No: 1125000775Y-1

Date: 2025-02-26

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UN38.3 报告

UN38.3 Test Report

样品名称： 磷酸铁锂电池

Sample Name: LITHIUM IRON PHOSPHATE BATTERY

委托单位： 广州菲利斯太阳能科技有限公司

Applicant: Guangzhou Felicity Solar Technology Co., Ltd



提取码: 507237

验证平台:

<https://css.iqtenet.cn>

广州海关技术中心
GUANGZHOU CUSTOMS DISTRICT TECHNOLOGY CENTER





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检测证书 TEST REPORT

样品名称 Sample Name	磷酸铁锂电池 LITHIUM IRON PHOSPHATE BATTERY	
型号 Model	LPBF48300-II	
内含电池组型号 Batteries Model	1P4S-300Ah	
委托单位 Applicant	广州菲利斯太阳能科技有限公司 Guangzhou Felicity Solar Technology Co., Ltd	
委托单位地址 Applicant Address	广东省广州市白云区人和镇东华工业区东华兴富街23号 No.23, xingfu street, renhe town, baiyun district, guangzhou, Guangdong	
生产单位 Manufacture	广州菲利斯太阳能科技有限公司 Guangzhou Felicity Solar Technology Co., Ltd	
生产单位地址 Manufacture Address	广东省广州市白云区人和镇东华工业区东华兴富街23号 No.23, xingfu street, renhe town, baiyun district, guangzhou, Guangdong	
测试方法和判定标准 Test method and criterion	联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.8, 38.3 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS", Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, 38.3	
接样时间 Accepted date	2025-02-12	样品数量 Quantity of sample
完成日期 Completed date	2025-02-20	
结论 Conclusion	<p>申请人送检的样品, 与原报告 01112200001361-1(E) 的样品差异符合联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.8, 38.3 的相关规定, 无需测试。</p> <p>The sample's differences submitted by Applicant between this report and original report 01112200001361-1(E) are comply with the requirement of UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS", Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, 38.3. No need to test</p>	
差异说明 The differences	<p>本报告变更了样品电池包型号和铭牌, 该变更未改变原报告中样品的关键材料, 产品设计和生产工艺, 生产厂也未改变。</p> <p>The battery pack model and nameplate of sample are changed in this report, the modified item(s) did not changed the key materials, design and production process of the sample of original report, the production factory has no change.</p>	
备注 Remark	<p>1. 本报告中是 01112200001361-1(E) 的变更报告, 原报告签发于 2022 年 05 月 23 日, 不涉及新的测试项目。</p> <p>This report is transformed from Original report 01112200001361-1(E) which is issued on may 23(rd), 2022, no new test item is involved.</p> <p>2. 本报告需和原报告一起使用。</p> <p>This report needs to be used with the original report.</p> <p>3. 随附 UN38.3 试验概要 (编号: 1125000775-2)。</p> <p>Attached with UN38.3 test summary (No.: 1125000775-2).</p>	



批准

Approver:

审核

Checker:

主检

Appraiser:



广州海关技术中心

GUANGZHOU CUSTOMS DISTRICT TECHNOLOGY CENTER



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集成电池组信息：

The assembled battery information:

电池类型 Battery type	锂离子电池 Lithium ion battery	标称电压 Nominal Voltage	51.2V
额定容量 Rated Capacity	300Ah	总能量 Total Energy	15kWh
充电限制电压 Limited Charge Voltage	57.6V	标准充电电流 Standard Charge Current	120A
最大充电电流 Maximum Charge Current	200A(30S)	标准放电电流 Standard Discharge Current	120A
最大放电电流 Maximum Discharge Current	120A	放电截止电压 Discharge Cut-off Voltage	48V
重量 Mass	157±2kg	物理形状说明 Physical description	长方体 Cuboid
模组数量 Module Quantity	16PCS	样品外观与性状 Appearance & Odor	灰色金属外壳 gray metal shell
电芯容量 Cell Capacity	300Ah	电芯型号 Cell Model	FLS-LFP58420145-300Ah
电池组组合方式 Battery Pack Combination	1P16S		

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样品图片

Photo of the sample

内含电池模组/Battery module

电池包正面外观

Battery pack front appearance



电池包侧面外观

Battery pack side appearance



电池包铭牌(含 Wh)

Battery pack nameplate (With Wh)



Make life full of hope

Lithium iron phosphate battery

Model	LFPB48300-II
Nominal Voltage	51.2V
Energy	15kWh
Operating Voltage	48-57.6V
Recommend Charge/Discharge Current	≤120A
Recommend Charge/Discharge Power	≤6000W
Scalability	Up to 6 units in parallel
Communication	RS485 / CAN
Cycle Life	≥6000@25°C,80%DOD
Charging Temperature Range	0-55°C
Discharging Temperature Range	-20-60°C



电池模组正面外观

Battery module front appearance



电池模组铭牌(含 Wh)

Battery module nameplate (With Wh)



Make life full of hope

1P4S

Combination Method	1P4S
Nominal Capacity	300AH
Nominal Voltage	12.8V
Standard Charge Current	120A
Standard Discharge Current	120A
Discharge Cut-off Voltage	2.5V
Charge Cut-off Voltage	3.65V

电芯

Cell





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声明 Statement

1.本报告无检验单位公章无效。

The test report is invalid without the official stamp of IQTC.

2 本报告无批准人、审核人及主检人签名无效。

The test report is invalid without the signatures of Approver, Checker and Appraiser.

3.本报告涂改无效。未经本实验室书面同意，不得部分地复制本报告。

The test report is invalid if altered. Nobody is allowed to photocopy or partly photocopy this report without written permission of IQTC

4.客户必须如实提供样品及资料，并保证申报品名和样品以及运输货物相同，否则本检测单位不承担任何相关责任。

The client should provide samples and relevant data, at the same time, they should guarantee the consistence of the product's name they declared, the samples they provided and the goods to be transported. Otherwise we will not bear any relevant responsibilities.

5.对检验报告若有异议，应于收到报告之日起十五日内向检验单位提出。

Objection to the test report must be submitted to IQTC within 15 days

6.本报告仅对送检样品负责。

The test report is valid for the tested samples only.

7. 检验地址：广东省广州市科学城南翔支路1号C102房（汽车与装备检测研究所科学城）

Inspection Address: Room C102, No.1 Nanxiangzhi Road, Science City, Guangzhou, Guangdong, China (Institute of Automobile and Equipment Testing in Science City)

电话(Tel): 020-38669019-811

电子邮箱(E-mail): battery@iqtcnet.cn

* * * * 报告结束 End of report * * * *

