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

中国认可
检验
INSPECTION
CNAS IB0411

地址：中国广州市天河区珠江新城花城大道66号B座
网址：www.iqtcnet.cn 邮编：510623
Add.: Tower B, No.66 Huacheng Avenue, Zhujiang Xincheng, Tianhe District, Guangzhou, China
Website: www.iqtcnet.cn Postcode: 510623

No: 01112400000117-7(E)
Date: 2024-01-11





货物运输条件鉴定书

Certification for Safe Transport of Goods

第九类危险品

Dangerous Goods Class 9

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**

4YVU5CN3RP

广州海关技术中心
检验检测专用章
4401060157182

广 州 海 关 技 术 中 心

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货物名称 Goods Name	磷酸铁锂电池 LITHIUM IRON PHOSPHATE BATTERY						
型号 Model	LPBF48300						
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						
生产单位 Manufacturer	广州菲利斯太阳能科技有限公司 Guangzhou Felicity Solar Technology Co., Ltd						
检查方法、程序 Inspection Method and Procedure	联合国《关于危险货物运输的建议书 规章范本》(第二十三版)。 UNITED NATIONS Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations (Rev. 23)						
样品外观 Sample Appearance	灰色金属外壳 gray metal shell						
包装件信息 Package Information	电池数量 Quantity	1 个 1 PC	重量 Weight	177 ± 2kg	尺寸 Size	718mm(L)* 450mm(W)* 1112mm(H)	

电池信息 Battery Information	序号 No.	类型 Type	型号 Model	额定瓦时值 Watt-hour Rating	放置方式 Placement
	1	锂离子电池组 Lithium ion batteries	LPBF48300	15kWh	只有电池 Battery only

鉴定结论 Identification Conclusion

1. 危险性识别(Hazards identification)：第 9 类杂项危险物质/ class or division is 9。
2. 按照联合国《关于危险货物运输的建议书 规章范本》特殊规定。
   According to the special provisions of TDG.
   按危险货物条件办理。According to the conditions of Dangerous cargo handled.
   运输专用名称：锂离子电池。
   Proper shipping name: LITHIUM ION BATTERIES
   UN NO.：UN 3480
   危险类别：第 9 类 Class or division : 9
3. 包装要求(Packaging requirements)：
   根据包装导则 P903 办理。
   The goods are packaged according to the packaging instruction P903.

   检查日期(Inspection date)：2024-01-03~2024-01-11
   签发日期(Valid date)：2024-01-11
   报告有效期(Period of validity)：2024-01-11~2024-12-31

广州海关技术中心 检验检测专用章 (16) 4401060157181

备注 Remark	每个包装件应贴有 No.9A 危险性标签。 Each package must be labelled with a No.9A hazard label.

批准 Approver：陆必强 审核 Checker：邓初晖 主检 Appraiser：唐鹏春

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图片/Photo

包装侧面外观

Side appearance of Packaging



内包装（防止短路，防移位保护措施）

Inner packagings（protection against short circuit and displacement）



UN 号，包装等级，9A 号标签

UN NO., packing group, 9A label



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图片/Photo

电池包正面外观
Battery pack front appearance



电池包侧面外观
Battery back side appearance

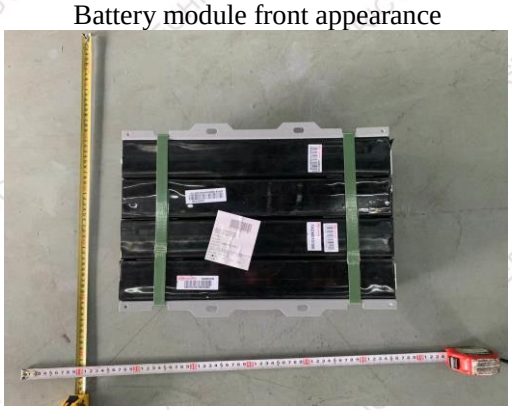


电池包铭牌(含 Wh)
Battery pack nameplate (With Wh)

Felicitysolar®
Make life full of hope
Lithium iron phosphate battery

Model	LPBF48300
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)

Felicitysolar®
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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序号 No.	检查结果及其他事项 Inspection results and other things
1	本报告所述锂电池已通过联合国《试验和标准手册》第 III 部分 38.3 小节相应测试要求（证书编号：01112400000117-1(E)，UN38.3 试验概要：01112400000117-2(E)）。 Lithium cells and batteries listed in this report are of the types proven to meet the requirements of each applicable test in the UN Manual of Tests and Criteria, Part III, sub-section 38.3(Test Report No.: 01112400000117-1(E), UN38.3 test summary: 01112400000117-2(E)).
2	本报告所述锂电池按照《联合国危险货物运输的建议书规章范本》规定的质量管理体系进行制造。 Lithium cells and batteries listed in this report were manufactured under the quality management programmer as described in TRANSPORT OF DANGEROUS GOODS Model Regulations.
3	锂电池具有适当的防短路措施。 Cells and batteries are properly protected so as to prevent short circuits.
4	锂电池有适当的保护措施防止其在包装件内移位。 Cells and batteries are properly protected so as to secured against movement within the outer package.
5	每个包装件必须使用No.9A危险性标签。 Each package must be labelled with the No.9A hazard label.
6	2011年12月31日后生产的蓄电池须在外部标记瓦特-小时比率。 Batteries manufacture after 31 December 2011 must be marked with the Watt-hour rating on outside case.
备注 Remark	适用于陆运。 Be applicable to transport by road

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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天内向检验单位提出。

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 * * * *

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