



中国认可
检验
INSPECTION
CNAS IB0551



Report No.
检验报告编号: **GDFLS20240129DI01**

Hazard and Classification Identification for Goods to be transported

拟运货物危险属性与分类鉴别报告

Goods to be transported
拟运货物

Lithium Iron Phosphate Battery
磷酸铁锂电池

Applicant
申请单位

Guangdong Felicity New Energy Co., Ltd
广东菲利斯新能源有限公司

Issued date
签发日期

2024-03-28

Inspection Engineer
检验工程师

Audit Engineer
审核工程师

Approval Engineer
批准工程师

广州邦禾检测技术有限公司
Guangzhou MCM Certification & Testing Co., Ltd.


Hazard and Classification Identification for Goods to be transported
拟运货物危险属性与分类鉴别报告**General Information 基本信息**

Applicant 申请单位	Guangdong Felicity New Energy Co., Ltd 广东菲利斯新能源有限公司
	No. 2, Donghua Huaye Road, Renhe Town, Baiyun Area, Guangzhou 广州市白云区人和镇东华华业路 2 号
Manufacture 制造单位	Guangdong Felicity New Energy Co., Ltd 广东菲利斯新能源有限公司
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Factory 生产单位	Guangdong Felicity New Energy Co., Ltd 广东菲利斯新能源有限公司
	No. 2, Donghua Huaye Road, Renhe Town, Baiyun Area, Guangzhou 广州市白云区人和镇东华华业路 2 号

Description of products 产品说明

Goods to be transported 拟运货物	Lithium Iron Phosphate Battery 磷酸铁锂电池
Model and rating 型号及额定值	LUX-E-48100LG03, 51.2V, 100Ah, 5.12kWh
■ Description 1: The classification of intended cargos ■ 说明1: 拟运货物的分类	Lithium-ion Batteries 锂离子电池组
■ Description 2: If applicable, The energy (Wh-rating or Lithium content) ■ 说明 2: 如适用, 电池的能量(瓦时数或锂含量)为	5.12kWh
■ Description 3: If applicable, Batteries met the applicable requirements of clause 2.9.4 or sp238, in which those test report ■ 说明3: 如适用, 电池满足条款2.9.4或特殊规定238的相关要求, 其中相应的测试报告	LIBs of clause 2.9.4 条款 2.9.4 中的锂离子电池组 GDFLS20240129U01
■ Description 4: If vehicle powered by fuel, its fuel type and model ■ 说明4: 如车辆应用燃料, 其燃料的类型和型号	N/A

Inspection and conclusion 检验与结论



Standard used 检验标准	UN Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations Rev.22 联合国《关于危险货物运输的建议书 规章范本》(Rev.22)		
Type 货物类型	UN 3480, LITHIUM ION BATTERIES UN 3480, 锂离子电池组		
Class or Division 危险等级	Class 9 9 类	Label 标签	
Package group 包装类别	PG II II 级包装		
Requirement 包装要求	P903		

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Photos of the Battery 电池照片

LUX-E-48100LG03, 51.2V, 100Ah, 5.12kWh








5.12kWh 51.2V

LiFePO4 Battery

Model	LUX-E-48100LG03
Nominal Energy	5.12kWh
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Maximun Continuous Charge/Discharge Current	100A
Scalability	Up to 15 units in parallel
Communication	RS485 / CAN
Cycle Life	≥6,000@25°C, 80% DOD
Protection Level	IP21
Working Temperature Range	Charge: 0°C~+55°C Discharge: -20°C~+55°C



IFpP/54/150/120/[1P16S]M/-20+60/95



End of Report 报告结束

Hazard and Classification Identification for Goods to be transported
拟运货物危险属性与分类鉴别报告**Declaration**
声明

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7. As for the inspection results, "N/A" means "Not applicable", "P" means "Pass" and "F" means "Fail".
本检验结果中"N/A"表示"不适用", "P"表示"通过", "F"表示"不通过"。

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报告修订	
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修改项目	无修改项