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# 货物运输条件鉴别报告书

Identification and Classification Report for Transport of Goods

危险物品  
(Dangerous Goods)

报告编号:

SEKGZ202212245300GC620001

Issued No:

生效日期:

2023.01.01

Effective Date:

委托单位:

美世乐 (广东) 新能源科技有限公司

Applicant:

MUST ENERGY (GUANGDONG) TECHNOLOGY CO., LTD

物品名称:

磷酸铁锂电池组 LP18-48100 51.2V 100Ah 5.12KWh

Name of Goods:

LiFePO<sub>4</sub> BATTERY PACK LP18-48100 51.2V 100Ah 5.12KWh

北京迪捷姆空运技术开发有限公司

Beijing DGM Air Transport Technology Development Co.,Ltd.



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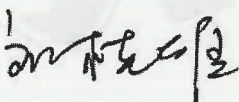
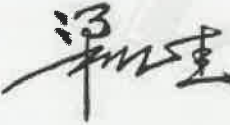


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项目编号 Item No.	SEKGZ202212245300	签发日期 Issued Date	2022.12.31
鉴别目的 Identification Purpose	是否属于运输危险物品 Dangerous Goods or not restricted	鉴别日期 Identification Date	2022.12.24-2022.12.31
鉴别依据 Identification Criteria	IMDG CODE (Amdt 40-20)		
物品名称 Name of Goods	中文名称 Name of Chinese	磷酸铁锂电池组 LP18-48100 51.2V 100Ah 5.12KWh	
	英文名称 Name of English	LiFePO <sub>4</sub> BATTERY PACK LP18-48100 51.2V 100Ah 5.12KWh	
生产厂家 Manufacturer	美世乐（广东）新能源科技有限公司 MUST ENERGY (GUANGDONG) TECHNOLOGY CO., LTD		
物品信息 Nature of Goods	<p>该物品为锂离子电池，黑色，近长方体，尺寸：512.26mm*482.87mm*132.97mm。          型号/族号：LP18-48100          每包装件中电池或电芯数量：1块          每包装件中的净重：43.890kg          每一包装件的毛重：45kg          单独包装</p> <p>(注：单块电池的重量约为43.890kg。)</p> <p>The goods are lithium ion batteries, black, almost cuboid, Size: 512.26mm*482.87mm*132.97mm.          Model/Group: LP18-48100          Number of batteries or cells per package: 1 pieces          Net quantity per package: 43.890kg          Gross weight of each package: 45kg          Cells or batteries only</p>		
鉴别结论 Conclusions	危险物品 (Dangerous Goods)		
	UN 编号(UN No.):	UN3480	
	运输专用名称(PSN)	Lithium ion batteries	
	危险货物类别(Class or Div.)	9	
	包装等级(PG)	/	
备注 Comment	包装必须达到 II 级包装的性能标准。 Packagings must meet Packing Group II performance standard.		
主检员 Appraiser		审核人 Checker	
		批准人 Approver	
		报告单位 (盖章) Stamp	



项目编号 Item No.		SEKGZ202212245300	
物品名称 Name of Goods	中文名称 Name of Chinese	磷酸铁锂电池组 LP18-48100 51.2V 100Ah 5.12KWh	
	英文名称 Name of English	LiFePO <sub>4</sub> BATTERY PACK LP18-48100 51.2V 100Ah 5.12KWh	
鉴别项目名称 Item			检验结果 Inspection Result
该电池额定瓦特小时数为 5120 Wh。 Watt-hour rating of the battery is 5120 Wh.			>100Wh
锂电池已通过 UN38.3 测试。 Each battery is of a type proved to meet the Requirements of each test in the UN MANUAL OF TESTS AND CRITERIA, Part III, sub-section 38.3.			符合 Conform
电池按照规定的质量管理体系进行制造。 Batteries be manufactured under a quality management programme.			符合 Conform
该锂电池不属于召回电池，不属于废弃和回收电池。 The lithium batteries don't belong to batteries returned to the manufacturer for safety reasons are not waste lithium batteries and not lithium batteries being shipped for recycling or disposal.			符合 Conform
通过包装件 1.2 米跌落试验。 Each package is capable of withstanding a 1.2m drop test in any orientation.			不适用 Not applicable
包装件需要按照特殊规定188的要求进行适当标记。 The package must be appropriately marked according to special provision 188.			不适用 Not applicable
每票托运货物均有随附文件说明： 包装件内装锂离子电池或电芯； 必须小心操作。如包装件破损，有易燃危险性； 包装件破损时应采取的特殊措施，包括检查和必要时的重新包装； 应急电话号码。 Each consignment is accompanied with a document with an indication that: the package contains lithium ion cells or batteries; the package must be handled with care, and that a flammability hazard exists if the package is damaged; special procedures should be followed in the event the package is damaged, to include inspection and repacking if necessary; and a telephone number for additional information.			不适用 Not applicable
/			/
/			/
注意事项 Remarks	每一单电池必须做好防短路措施，并装入坚固外包装内。 Each single battery must be packed in such a way as to prevent short circuits under the normal conditions and packed in strong outer packagings.		

出单：杨敏开



北京迪捷姆空运技术开发有限公司

项目编号: SEKGZ202212245300

物品名称: 磷酸铁锂电池组 LP18-48100 51.2V 100Ah 5.12KWh

电池/电芯 Battery / Cell:

Product Name	LiFePO4 BATTERY PACK
Model	LP18-48100
Nominal Energy/Voltage	5.12kwh/51.2V
Nominal Capacity	100Ah

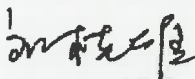



包装件 Package:



# 锂电池 UN38.3 试验概要 Lithium Battery Test Summary

项目编号: SEKGZ202212245300

单位信息 Company Information					
委托单位 Consignor	美世乐(广东)新能源科技有限公司 MUST ENERGY (GUANGDONG) TECHNOLOGY CO.,LTD 中国广东省佛山市禅城区张槎一路 115 号八座一层、二层、三层、四层、五层、七层、九层、十层 1-5F, 7F, 9F, 10F of No.8 building, No.115, Zhangcha Road 1, Chancheng district, Foshan city, Guangdong Province, P.R.China 电话/Tel: 15012636534 邮箱/Mail: rd-cp@mustpower.cn				
生产单位 Manufacturer	美世乐(广东)新能源科技有限公司 MUST ENERGY (GUANGDONG) TECHNOLOGY CO.,LTD 中国广东省佛山市禅城区张槎一路 115 号八座一层、二层、三层、四层、五层、七层、九层、十层 1-5F, 7F, 9F, 10F of No.8 building, No.115, Zhangcha Road 1, Chancheng district, Foshan city, Guangdong Province, P.R.China 电话/Tel: 15012636534 邮箱/Mail: rd-cp@mustpower.cn				
测试单位 Test Lab	深圳天溯计量检测股份有限公司 Shenzhen Tiansu Calibration and Testing Co.,Ltd 深圳市龙岗区宝龙街道锦龙大道 2 号 1 栋、4 栋 B/1,4, NO.2 Jinlong Road, Longgang District, Shenzhen, China 电话/Tel: 0755-89457984 邮箱/Mail: tsjc@tiansu.org 网址/Website: www.tiansu.org				
电池信息 Battery Information					
名称 Name	磷酸铁锂电池组 LiFePO4 BATTERY PACK	电池/电芯类别 Battery/Cell Classification		锂离子电池 Li-ion Battery	
型号 Type	LP18-48100	商标 Trademark		MUST	
额定电压 Normal Voltage	51.2V	额定容量 Rated Capacity		100Ah	
额定能量 Watt-hour rating	5.12KWh	外观/Appearance		黑色近长方体 Approximate Black Cuboid	
质量/Mass	43.890kg	锂含量/Li Content		不适用 N/A	
测试信息 Test Information					
测试报告编号 Test Report Number	TS222110251-P02-R01	测试报告签发日期 Date of Test Report		2022-12-02	
测试标准 Edition of UN Manual of Tests and Criteria Used	联合国《关于危险货物运输的建议书-试验和标准手册》(第 6 版修订 1) 38.3 节 UN Recommendations on the Transport of Dangerous Goods Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6/Amend 1/Subsection 38.3				
T.1: 高度模拟 Altitude Simulation	通过 Pass	T.2: 温度试验 Thermal Test	通过 Pass	T.3: 振动 Vibration	通过 Pass
T.4: 冲击 Shock	通过 Pass	T.5: 外部短路 External Short Circuit	通过 Pass	T.6: 撞击/挤压 Impact/Crush	通过 Pass
T.7: 过度充电 Overcharge	通过 Pass	T.8: 强制放电 Forced Discharge	通过 Pass		
UN38.3.3(f)	不适用 N/A		UN38.3.3(g) 不适用 N/A		
签名 Signatory 职务 Title	 检验员		签发日期 Issued Date	 2022-12-24	

美世乐(广东)新能源科技有限公司