



危险物品
DANGEROUS GOODS

道路运输条件鉴别报告书

Identification and Classification Report for Road Transport of Goods

年度有效
12月31日

此报告本年度有效
有效期至2023年12月31日

报告编号: PEKGZDL202212270607
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: LiFePO4 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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项目编号 Item No.	PEKGZDL202212270607	签发日期 Issued Date	2023.01.01
鉴别目的 Identification Purpose	是否属于道路运输危险品 Dangerous Goods or not restricted	鉴别日期 Identification Date	2022.12.27
鉴别依据 Identification Criteria	ADR 2023		
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	LiFePO4 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 the goods	<p>该样品为黑色近长方体电池。 型号：LP18-48100 尺寸：512.26mm*482.87mm*132.97mm 每包装件中电池/电芯数量：1 锂电池 UN38.3 检测报告编号：TSZ22110251-P02-R01。</p> <p>This sample is Approximate Black Cuboid battery. Model: LP18-48100 Size: 512.26mm*482.87mm*132.97mm Number of batteries or cells per package: 1 Lithium Battery UN38.3 Test Report No.:TSZ22110251-P02-R01.</p>		
鉴别结论 Conclusions	危险物品 (Dangerous Goods)		
	UN 编号 (UN No.) :	UN3480	
	运输专用名称 (Proper shipping name)	锂离子电池 Lithium ion batteries	
	危险性类别 (Class or Div.)	9	
	分类代码 (Classification code)	M4	
	包装说明 (Packing instructions)	P903	
	包装等级 (Packing group)	/	
运输类别 (隧道通行限制代码) Transport category (Tunnel restriction code)	2 (E)		
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 Approver	
		报告单位 (盖章) Stamp	

项目编号 Item No.		PEKGZDL202212270607	
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	LiFePO4 BATTERY PACK LP18-48100 51.2V 100Ah 5.12KWh	
鉴别项目名称 Item			检查结果 Inspection Result
该电池额定瓦特小时数为 5120Wh。 Watt-hour rating of the battery is 5120Wh.			>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

制单：谢春华

北京迪捷姆空运技术开发有限公司

项目编号: PEKGZDL202212270607

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: PEKGZDL202212270607

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

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美世乐(广东)新能源科技有限公司

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	TSZ22110251-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.4: 冲击 Shock	通过 Pass	T.5: 外部短路 External Short Circuit	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	2022-12-27

