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CNAS IB0078

运输危险性鉴别报告书

Identification and Classification Report for Transport of Goods

危险物品
(Dangerous Goods)

报告编号:

SEKSZ202507314697LTT320001

Issued No:

生效日期:

2025.07.31

Effective Date:

委托单位:

拓芯安新能源(广东)有限公司

Applicant:

TURSAN NEW ENERGY(GUANG DONG) CO.,LTD.

物品名称:

锂离子电池 POWERCUBE 2200 51.2V 42Ah 2150.4Wh

Name of Goods:

Lithium ion Battery POWERCUBE 2200 51.2V 42Ah 2150.4Wh

北京迪捷姆空运技术开发有限公司

Beijing DGM Air Transport Technology Development Co.,Ltd.

此报告本年度有效
有效期至2025年12月31日



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地址：北京首都机场货运北路天竺综合保税区 BGS 货运楼 249 室

邮编：101300

电话：010-69479673

传真：010-69479621

网址：www.dgmchina.com.cn

E-mail: test@dgmchina.com.cn



项目编号 Item No.		SEKSZ202507314697	签发日期 Issued Date	2025.07.31
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	2025.07.31-2025.07.31
鉴别依据 Identification Criteria		IMDG CODE (Amdt 42-24)		
物品名称 Name of Goods	中文名称 Name of Chinese	锂离子电池 POWERCUBE 2200 51.2V 42Ah 2150.4Wh		
	英文名称 Name of English	Lithium ion Battery POWERCUBE 2200 51.2V 42Ah 2150.4Wh		
生产厂家 Manufacturer		拓芯安新能源（广东）有限公司 TURSAN NEW ENERGY (GUANG DONG) CO., LTD.		
物品信息 Nature of Goods		该物品为锂离子电池，灰色和黑色，近长方体，尺寸：491.2*230.1*296.3mm。 型号/族号：POWERCUBE 2200 每包装件中电池或电芯数量：1块 单独包装 (注：单块电池的重量约为23.33kg。) The goods are lithium ion batteries, grey and black, almost cuboid, Size:491.2*230.1*296.3mm. Model/Group:POWERCUBE 2200 Number of batteries or cells per package:1 pieces Cells or batteries only		
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	
		危险性类别(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.		SEKSZ202507314697	
物品名称 Name of Goods	中文名称 Name of Chinese	锂离子电池 POWERCUBE 2200 51.2V 42Ah 2150.4Wh	
	英文名称 Name of English	Lithium ion Battery POWERCUBE 2200 51.2V 42Ah 2150.4Wh	
鉴别项目名称 Item		检验结果 Inspection Result	
该电池额定瓦特小时数为 2150.4 Wh。 Watt-hour rating of the battery is 2150.4 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	
每票托运物品均有随附文件说明： 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：李涛



锂离子电池 POWERCUBE 2200 51.2V 42Ah
2150.4Wh

SEKSZ202507314697



POWERCUBE 2200	
Model Name	POWERCUBE 2200
Recommended.PVModule	800W*2 Max
PV[1]/[2]Input Voltage	12v~60V
Startup MPPT Voltage	18V
Max.PVInput Voltage	60V
PV[1]/[2]Input Current	25A Max Each
PV[1]/[2]Input Power	800w Max Each
Battery chargeInput Power	1600W Max
Inverter[1]/[2]Output Voltage	18V-55V
Inverter[1]/[2]Output Current	28A Max
EachInverter[1]/[2]Output Power	800W Max Each
Total Output Power	1600W Max
Peak Efficiency	98%
Battery pack parameters	
LiFePO4 Battery	51.2V (2150.4Wh/42Ah)
Max charge current	40A
Max work current	50A
Parallel Capability	1+4 redundant units(Max)
Communication	RS485, CAN
Overall overvoltage protection	58.4V ±50mV
Overall under-voltage protection	43.2V ±50mV
Cycle Life	≥3000@25°C, 70% EOL
Type of Enclosure	IP65
Control Method	Mobile Application
Charging operating temperature	0°C~55°C
Discharging operating temperature	-15°C~60°C
RoHS CE FC	

锂电池/钠离子电池 UN38.3 试验概要 Test Summary

项目编号: SEKSZ202507314697

单位信息 Company Information					
委托单位 Consignor	拓芯安新能源（广东）有限公司 TURSAN NEW ENERGY(GUANG DONG) CO.,LTD. 广东省东莞市大朗镇荔和路 68 号 No. 68, Lihe Road, Dalang Town, Dongguan City, Guangdong Province, China				
生产单位 Manufacturer	拓芯安新能源（广东）有限公司 TURSAN NEW ENERGY(GUANG DONG) CO.,LTD. 广东省东莞市大朗镇荔和路 68 号 No. 68, Lihe Road, Dalang Town, Dongguan City, Guangdong Province, China 电话/Tel: +86-769-81116886 邮箱/Mail: Tursan@tursan-energy.com 网址/Website: www.tursan-energy.com				
测试单位 Test Lab	众检检验认证（深圳）有限公司/CMC Testing International (Shenzhen) Co., Ltd. 广东省深圳市宝安区沙井街道大王山社区和二鸿奔工业区 7 栋一层二层三层 1-3/F., Building 7, He'er Hongben Industrial Zone, Dawangshan Community, Shajing Subdistrict, Baoan District, Shenzhen, Guangdong, China 电话/Tel: 400-1668-320 邮箱/Mail: info@cmczej-lab.com 网址/Website: www.cmczej-lab.com				
电池信息 Battery Information					
名称 Name	锂离子电池 Lithium ion Battery	电池/电芯类别 Battery/Cell Classification		锂离子电池 Li-ion Battery	
型号 Type	POWERCUBE 2200	商标 Trademark		/	
额定电压 Normal Voltage	51.2V	额定容量 Rated Capacity		42Ah	
额定能量 Watt-hour rating	2150.4Wh	外观/Appearance		灰色和黑色近长方体 Approximate Gray And Black Cuboid	
质量/Mass	23.33kg	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	CMC250703066		测试报告签发日期 Date of Test Report		2025.07.30
测试标准 Edition of UN Manual of Tests and Criteria Used	联合国《试验和标准手册》（第 8 版）38.3 节 UN "Manual of Tests and Criteria" ST/SG/AC.10/11/Rev.8/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		
UN38.3.3.1(f)或/or UN38.3.3.2(d)	不适用 N/A		UN38.3.3.1(g)或/or UN38.3.3.2(e)		不适用 N/A
签名 Signatory 职务 Title	曾平平 检验员		签发日期 Issued Date		2025-07-31