



中国认可
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检验
INSPECTION
CNAS IB0396



运输危险性鉴定报告

Hazard Classification and Identification Report for Transport

(海运/by Sea)

危险物品
DANGEROUS GOODS

物品名称: 可充电锂离子电池系统 BC100DE2A 320V 314Ah
100.48kWh

Goods Name Rechargeable Li-ion Battery System BC100DE2A 320V
314Ah 100.48kWh

委托单位: 深圳科士达新能源有限公司

Client Shenzhen Kstar New Energy Company Limited

报告编号: DGT2296DL6025002P

Report No.

生效日期: 2026-01-01

Effective Date



中国民用航空总局第二研究所

The Second Research Institute of CAAC

声明

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The certificate is issued by The Second Research Institute of CAAC according to IMO IMDG Code published in the current year and the information of the goods and its shipment provided by the client (shipper or its agent).

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The certificate is only responsible for the sample provided by the client.

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The client shall provide samples and relevant data, at the same time, and they shall guarantee that the name they declared is the same as the samples they provided and the goods to be transported.

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Address: No.765, Tengfei Road, Xihanggang Economic Development Zone, Shuangliu, Chengdu, Sichuan

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邮编(Post Code): 610200

报告查询网址: <http://service.caacdgt.com>

运输危险性鉴定报告

Hazard Classification and Identification Report for Transport

鉴定目的 Inspection Purpose	是否属于海运危险品 Dangerous goods or not restricted		
样品编号 Sample No.	DGT2296DL6025002	接样日期 Receiving Date	2025-12-25
鉴定依据 Criteria	国际海事组织《国际海运危险品规则》42-24 2024 版 IMO International Maritime Dangerous Goods(IMDG) Code 42-24 2024 Edition		
样品名称 Sample Name	可充电锂离子电池系统 BC100DE2A 320V 314Ah 100.48kWh Rechargeable Li-ion Battery System BC100DE2A 320V 314Ah 100.48kWh		
委托单位 Client	深圳科士达新能源有限公司 Shenzhen Kstar New Energy Company Limited		
电池生产单位 Manufacturer	深圳科士达科技股份有限公司光明分公司 Shenzhen KSTAR Science & Technology Co., Ltd.Guangming Branch		
物品信息 Sample Information	电池型号/Model: BC100DE2A 320V 314Ah 100.48kWh 电池类型/Type: 锂离子电池/Lithium ion battery 包装件内含 1 个本报告所述锂电池。 The package contains 1 Lithium battery(ies) listed in this report.		
鉴定结论 Conclusion	1.危险性识别 (Hazards Identification) 危险类别/Class: 9 UN Number: UN 3480 Proper Shipping Name: Lithium ion batteries 2.按照 IMO IMDG Code 办理的类型 (Suggestion according to IMO IMDG Code) 该样品满足包装说明 P903 (2) 的要求。 The sample meets the requirements of Packing Instruction P903 (2). 3.包装要求(Packing requirements) 按包装说明 P903 (2) 要求办理。 The sample is packaged according to the Packing Instruction P903 (2). 鉴定单位盖章(Stamp) 签发日期(Issued Date): 2025.12.25		
备注 Comment	该可充电锂离子电池系统为集成电池组, 电池质量大于 400Kg, 体积超过 3 立方米, 其额定瓦特-小时数超过 6200Wh, 由 5 个锂离子电池模组 (型号规格: BC-PACK-20.1-20S-157A 64V 314Ah 20.09kWh) 组成, 集成电池组和电池模组均已通过 UN38.3 测试, 详见摘要。该可充电锂离子电池系统内含制冷和消防系统, 本报告结论仅针对锂电池部分。		

检验:

(Inspected by)

皮广达

审核:

(Checked by)

罗子豪

批准:

(Approved by)

王章涛

运输危险性鉴定报告

Hazard Classification and Identification Report for Transport

检验结果及其他事项	
Inspection results and other information	
1	本报告所述锂电池按照《国际海运危险品规则》42-24 2024 版 2.9.4.5 规定的质量管理体系进行制造。 Lithium batteries listed in this report are manufactured under the quality management program as described in IMO IMDG Code 42-24 2024 Edition 2.9.4.5.
2	本报告所述锂电池已经通过联合国《试验和标准手册》第III部分第 38.3 节的测试。测试摘要详见附件。 Lithium batteries listed in the report are of type proved to meet the requirements of each test of the UN Manual of Tests and Criteria, Part III, subsection 38.3. The test summary is detailed in the attachment. 本报告所述锂电池不属于有安全缺陷或已损坏的电池。 Lithium batteries listed in this report are not damaged or defective batteries. 本报告所述锂电池具有适当的防外部短路措施。 Lithium batteries listed in this report are equipped with an effective means of preventing external short circuits.
3	本报告所述锂电池不属于废旧电池和回收或销毁的电池。 Lithium batteries listed in this report are not waste, shipped for recycling or disposal batteries.
4	对于总质量在 12 千克或以上、采用坚固、耐碰撞外壳的电池或电池组： (a)坚固的外包装； (b)保护外罩(如完全封闭的或木制的板条箱)；或 (c)货板或其他搬运装置 电池或电池组应加以固定，防止意外移动，电极不得承受其他叠放物品的重量。 For a cell or a battery with a gross mass of 12 kg or more employing a strong, impact resistant outer casing: (a)Strong outer packagings; (b)Protective enclosures (e.g., fully enclosed or wooden slatted crates); or (c)Pallets or other handling devices. Cells or batteries shall be secured to prevent inadvertent movement, and the terminals shall not support the weight of other superimposed elements.
5	每个包装件必须耐久清晰的标识第 9 类锂电池或钠离子电池标签。 Each package must be durably and legibly marked with the Class 9-Lithium Battery or Sodium ion Battery label.

附图/Pictures:



运输信息
Transport Information

件数 Pieces		托运人或托运人代理人声明 本人（本单位）声明：上述运输信息填写真实、准确，鉴定报告已获得委托单位的授权使用，实际运输的货物情况与本鉴定报告一致。如因信息填写错误、实际运输的货物情况与本鉴定报告不一致造成的一切后果，由本人（本单位）承担全部责任，并赔偿对承运人造成的全部损失。
运单号 Waybill No.		托运人或托运人代理人签字： 盖章：
目的港 Destination		

——以下无正文内容——

附件:

测试摘要
TEST SUMMARY

单位信息 Company information			
委托单位 Consignor	深圳科士达新能源有限公司/Shenzhen Kstar New Energy Company Limited		
电池生产单位 Manufacturer	深圳科士达科技股份有限公司光明分公司/Shenzhen KSTAR Science & Technology Co., Ltd.Guangming Branch 中国广东省深圳市光明区玉塘街道田寮社区高新园区西片区七号路科士达科技工业园/Kstar Tech-Industrial Park, 7th Road, Western Area, Hi-Tech Industrial Zone,Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, P.R.China +86-18676733209 libin@kstar.com.cn www.kstar.com		
测试单位 Test lab	广东科正技术服务有限公司/KSIGN(Guangdong) Testing Co., Ltd. 广东省深圳市宝安区沙井街道沙头社区民主九九工业区福源厂新厂房 A 区 C 栋一层西侧, 518104/West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China 0755-29852678 info@gdksign.cn http: www.gdksign.com		
电池信息 Battery information			
名称 Name	/	组成电芯数量 Cell Number	/
电池类型 Type	锂离子电池/Lithium ion battery	型号 Model	BC100DE2A
额定能量 Watt-hour rating	100.48kWh	电池质量 Mass	约 1347.0kg
物理形状说明 Physical description	长方体 Cuboid		
测试信息 Test information			
测试报告编号 Test Report ID	KS2510S4928B01	测试报告日期 Date of test report	2025-12-22
测试标准 Test standard	联合国《试验与标准手册》第 8 修订版第 38.3 节。 UNITED NATIONS Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, Section 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	不适用 N/A	T.8 强制放电 Forced discharge	通过/Pass
UN38.3.3.1(f)	不适用 N/A	UN38.3.3.1(g)	通过/Pass
UN38.3.3.2(d)	不适用 N/A	UN38.3.3.2(e)	不适用 N/A
结论 Conclusion	样品满足联合国《试验与标准手册》第 8 修订版第 38.3 节的测试要求。 The sample meets the requirement of UNITED NATIONS Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, Section 38.3.		
备注 Remark	该可充电锂离子电池模组未安装过度充电保护装置, 无需满足过充试验的要求。 The Rechargeable Li-ion Battery Module not equipped with battery overcharge protection are not applicable to overcharge test.		
签名 Signature	王章涛	签发日期 Issued date	2025-12-25
职务 Title	授权签字人		

*测试摘要信息由委托客户提供。
The information of Test Summary about UN38.3 is provided by client.

以下无内容