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CNAS IB0396



# 运输危险性鉴定报告

## Hazard Classification and Identification Report for Transport

(公路运输/by Road)

危险物品  
DANGEROUS GOODS

物品名称:

可充电锂离子电池系统 BC220DE2A 704V 314Ah  
221.05kWh

Goods Name

Rechargeable Li-ion Battery System BC220DE2A 704V  
314Ah 221.05kWh

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:

DGT2296DL5006421C

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 STATEMENT

1.本《鉴定报告》依据现行有效的联合国《关于危险货物运输的建议书—规章范本》、委托人（托运人或代理人）提供的物品及其运输信息出具。

The certificate is issued by The Second Research Institute of CAAC according to UN-TDG published and the information of the goods and its shipment provided by the client (shipper or its agent).

2.本《鉴定报告》的鉴定结论仅对样品负责。

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

3.客户必须如实提供样品及资料，并保证申报品名和样品与运输货物相同。

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.

4.本《鉴定报告》经检验人、审核人、批准人签字并加盖检验印章后生效。

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The shipper's or shipper's agent's declaration in the transportation information column of this report is filled in by the shipper or shipper's agent when using this report and does not belong to the appraisal content.

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## 运输危险性鉴定报告

## Hazard Classification and Identification Report for Transport

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                        |            |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------|
| 鉴定目的<br>Inspection Purpose | 是否属于公路运输危险品<br>Dangerous Goods or not restricted                                                                                                                                                                                                                                                                                                                                                                                                                            |                        |            |
| 样品编号<br>Sample No.         | DGT2296DL5006421                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 接样日期<br>Receiving Date | 2025-11-21 |
| 鉴定依据<br>Criteria           | 联合国《关于危险货物运输的建议书—规章范本》第 24 版<br>UN Recommendations on the Transport of dangerous goods Model Regulations 24th Edition                                                                                                                                                                                                                                                                                                                                                       |                        |            |
| 样品名称<br>Sample Name        | 可充电锂离子电池系统 BC220DE2A 704V 314Ah 221.05kWh<br>Rechargeable Li-ion Battery System BC220DE2A 704V 314Ah 221.05kWh                                                                                                                                                                                                                                                                                                                                                              |                        |            |
| 委托单位<br>Client             | 深圳科士达新能源有限公司<br>Shenzhen Kstar New Energy Company Limited                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |            |
| 电池生产单位<br>Manufacturer     | 深圳科士达科技股份有限公司光明分公司<br>Shenzhen KSTAR Science & Technology Co., Ltd.Guangming Branch                                                                                                                                                                                                                                                                                                                                                                                         |                        |            |
| 物品信息<br>Sample Information | 电池型号/Model: BC220DE2A 704V 314Ah 221.05kWh<br>电池类型/Type: 锂离子电池/Lithium ion battery<br>包装件内含 1 个本报告所述锂电池。<br>The package contains 1 Lithium battery(ies) listed in this report.                                                                                                                                                                                                                                                                                              |                        |            |
| 鉴定结论<br>Conclusion         | 1.危险性识别 (Hazards Identification)<br>危险类别/Class: 9<br>UN Number: UN 3480<br>Proper Shipping Name: Lithium ion batteries<br><br>2.按照 UN TDG 办理的类型 (Suggestion according to UN TDG)<br>该样品满足包装说明 P903 (2) 的要求。<br>The sample meets the requirements of Packing Instruction P903 (2).<br><br>3.包装要求(Packing requirements)<br>按包装说明 P903 (2) 要求办理。<br>The sample is packaged according to the Packing Instruction P903 (2).<br><br>鉴定单位盖章(Stamp)<br>签发日期(Issued Date):2025-11-21 |                        |            |
| 备注 Comment                 | 包装体积超过 3 立方米, 电池质量超过 400 千克。该可充电锂离子电池系统为集成电池组, 由 11 个锂离子电池模组 (型号规格: BC-PACK-20.1-20S-157A 64V 314Ah 20.09kWh) 组成, 集成电池与电池模组均已通过 UN38.3 测试。该储能系统内含空调和消防系统, 本报告结论仅针对锂电池部分。                                                                                                                                                                                                                                                                                                    |                        |            |

检验:

(Inspected by)

罗子豪

审核:

(Checked by)

李世武

批准:

(Approved by)

李瑞

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                                        | <p>本报告所述锂电池按照《关于危险货物运输的建议书—规章范本》（24版）2.9.4(e)规定的质量管理体系进行制造。</p> <p>Lithium batteries listed in this report are manufactured under the quality management program as described in UN TDG Model Regulations 24th Edition 2.9.4(e).</p>                                                                                                                                                                                                                                                                                                                                                                           |
| 2                                        | <p>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。</p> <p>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.</p> <p>本报告所述锂电池不属于有安全缺陷或已损坏的电池。</p> <p>Lithium batteries listed in this report are not damaged or defective batteries.</p> <p>本报告所述锂电池具有适当的防外部短路措施。</p> <p>Lithium batteries listed in this report are equipped with an effective means of preventing external short circuits.</p>                                              |
| 3                                        | <p>本报告所述锂电池不属于废旧电池和回收或销毁的电池。</p> <p>Lithium batteries listed in this report are not waste, shipped for recycling or disposal batteries.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4                                        | <p>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：</p> <p>(a)坚固的外包装；</p> <p>(b)保护外罩(如完全封闭的或木制的板条箱)；或</p> <p>(c)货板或其他搬运装置</p> <p>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。</p> <p>For a cell or a battery with a gross mass of 12 kg or more employing a strong, impact resistant outer casing:</p> <p>(a)Strong outer packagings;</p> <p>(b)Protective enclosures (e.g., fully enclosed or wooden slatted crates); or</p> <p>(c)Pallets or other handling devices.</p> <p>Cells or batteries shall be secured to prevent inadvertent movement, and the terminals shall not support the weight of other superimposed elements.</p> |
| 5                                        | <p>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。</p> <p>Each package must be durably and legibly marked with the Class 9-Lithium Battery or Sodium ion Battery label.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

附图/Pictures:



运输信息  
Transport Information

|                    |                                                                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 件数<br>Pieces       | <p>托运人或托运人代理人声明</p> <p>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。</p> <p>托运人或托运人代理人签字：<br/>盖章：</p> |
| 运单号<br>Waybill No. |                                                                                                                                                                                      |
| 目的港<br>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<br>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<br>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<br>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<br>+86-18676733209 libin@kstar.com.cn www.kstar.com |                               |            |
| 测试单位<br>Test lab                | 广东科正技术服务有限公司/KSIGN(Guangdong) Testing Co., Ltd.<br>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<br>0755-29852678 info@gdksign.cn http: www.gdksign.com                                           |                               |            |
| 电池信息 Battery information        |                                                                                                                                                                                                                                                                                                                                                                |                               |            |
| 电池类型<br>Type                    | 锂离子电池/Lithium ion battery                                                                                                                                                                                                                                                                                                                                      | 型号<br>Model                   | BC220DE2A  |
| 额定能量<br>Watt-hour rating        | 221.05kWh                                                                                                                                                                                                                                                                                                                                                      | 电池质量<br>Mass                  | 约 2421.0kg |
| 物理形状说明<br>Physical description  | 白色长方体<br>White Cuboid                                                                                                                                                                                                                                                                                                                                          |                               |            |
| 测试信息 Test information           |                                                                                                                                                                                                                                                                                                                                                                |                               |            |
| 测试报告编号<br>Test Report ID        | KS2510S4924B01                                                                                                                                                                                                                                                                                                                                                 | 测试报告日期<br>Date of test report | 2025-11-19 |
| 测试标准<br>Test standard           | 联合国《试验与标准手册》第 8 修订版第 38.3 节。<br>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<br>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。<br>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                       | 电池模组未安装过度充电保护装置, 无需满足过度充电试验的要求。<br>The modules not equipped with battery overcharge protection are not applicable to overcharge test.                                                                                                                                                                                                                          |                               |            |
| 签名 Signature                    | 李瑞                                                                                                                                                                                                                                                                                                                                                             | 签发日期<br>Issued date           | 2025-11-21 |
| 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  
检验专用章