



中国认可  
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 BC215DE2 768V 280Ah  
215.04kWh

Goods Name Rechargeable Li-ion Battery System BC215DE2 768V  
280Ah 215.04kWh

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: DGT2345DL2038702T

Report No.

生效日期: 2025-06-26

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》依据本年度国际海事组织《国际海运危险货物规则》、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 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).

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 should provide samples and relevant data, at the same time, and they should 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。

The certificate will be effective only after it is signed by the inspector, checker, and approver, and stamped.

5.本《鉴定报告》不得全部或部分复制，复制无效。本鉴定报告私自转让、复制、盗用、冒用、涂改或以任何媒体形式篡改的均属无效。

The certificate must not be copied wholly or partly. The certificate is invalid if anything of the following happens, such as illegal transfer, reproduction, embezzlement, imposture, modification or tampering in any media form.

6.本《鉴定报告》不考虑国家及经营人差异。

The certificate takes no account of the State and Operator Variations.

7.本《鉴定报告》仅在本年度内有效。

This certificate is only valid within the current year.

8.对《鉴定报告》若有异议，应于收到报告之日起十五日内向本机构提出。

Objections to the certificate must be submitted to The Second Research Institute of CAAC within 15 days.

地址：成都双流西航港经济开发区腾飞路 765 号

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

电话(Tel): 028-64458155 028-64458156

传真(Fax): 028-64458195

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<br>Inspection Purpose | 是否属于海运危险品<br>Dangerous goods or not restricted                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                        |            |
| 样品编号<br>Sample No.         | DGT2345DL2038702                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 接样日期<br>Receiving Date | 2025-06-24 |
| 鉴定依据<br>Criteria           | 国际海事组织《国际海运危险品规则》42-24 2024 版<br>IMO International Maritime Dangerous Goods(IMDG) Code 42-24 2024 Edition                                                                                                                                                                                                                                                                                                                                                                                                                |                        |            |
| 样品名称<br>Sample Name        | 可充电锂离子电池系统 BC215DE2 768V 280Ah 215.04kWh<br>Rechargeable Li-ion Battery System BC215DE2 768V 280Ah 215.04kWh                                                                                                                                                                                                                                                                                                                                                                                                             |                        |            |
| 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 | <b>-电池信息/Battery information:</b><br>型号/ Model: BC215DE2 768V 280Ah 215.04kWh<br>类型/Type: 锂离子电池/Li-ion battery<br>商标/Brand Mark: /<br><b>-包装信息/Package information:</b><br>包装件内含 1 个锂电池。<br>The package contains 1 Lithium battery.                                                                                                                                                                                                                                                                                      |                        |            |
| 鉴定结论<br>Conclusion         | <b>1.危险性识别(Hazards Identification)</b><br>危险类别/Class: 9<br>UN Number: UN 3480<br>Proper Shipping Name: Lithium ion batteries<br><br><b>2. 按照 IMO IMDG Code 办理的类型 (Suggestion according to IMO IMDG Code)</b><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><b>3.包装要求(Packing requirements)</b><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><div>鉴定单位盖章(Stamp)<br/>签发日期(Issued Date):2025-06-26</div> |                        |            |
| 备注 (Comment)               | 设备体积超过 3 立方米, 质量超过 400 千克。该电池系统为大型集成电池, 由 12 个锂离子电池模组 (型号规格: BC-PACK-17.9-20S-140A 64V 280Ah 17.92kWh) 组成, 集成电池和模组电池已通过 38.3 测试, 分别见摘要 1 和摘要 2。该电池系统另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)

何文涛

审核:

(Checked by)

王新荣

批准:

(Approved by)

李瑞



运输危险性鉴定报告

Hazard Classification and Identification Report for Transport

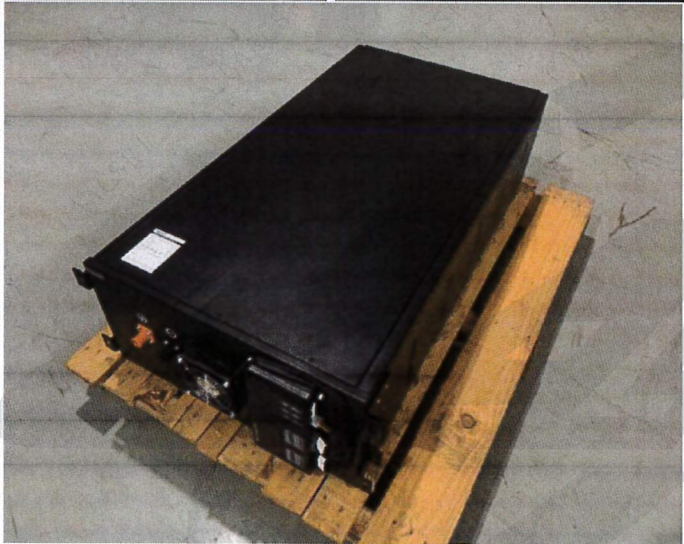
| 检验结果及其他事项<br>Inspection results and other information |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                     | <p>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。</p> <p>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.</p> <p>本报告所述锂电池不属于有缺陷或已损坏的锂电池。</p> <p>Lithium batteries listed in this report are not damaged or defective lithium batteries.</p> <p>本报告所述锂电池不属于为处理或回收而运输的锂电池。</p> <p>Lithium batteries listed in this report are not disposal or recycling lithium batteries.</p>                                                                                                                                                                             |
| 2                                                     | <p>本报告所述锂电池已经通过联合国《试验与标准手册》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 the type proved to meet the requirements of each test of the UN <i>Manual of Tests and Criteria</i>, Part III, subsection 38.3. The test summary is detailed in the attachment.</p>                                                                                                                                                                                                                                                                                                                                                                           |
| 3                                                     | <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 are equipped with an effective means of preventing external short circuits.</p> <p>本报告所述锂电池应采取保护措施，以防电池因在容器中的移动或位置变化而造成损坏。</p> <p>Lithium batteries shall be packed in packagings so that the cells or batteries are protected against damaged that may be caused by the movement of the cell or batteries within the packaging.</p>                                                                                                                                                                                                                                                                                    |
| 4                                                     | <p>对于重量在 12kg 及以上的，采用坚固、耐碰撞外壳的电池或集合电池，还需要：</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) 托盘或其他搬运设备。</p> <p>电池必须紧固以防意外移动，电极不得承受其他堆放物品的重量。</p> <p>In additional for cells or batteries with a gross mass of 12kg or more employing a strong, impact resistant outer casing, and assemblies of such cells or batteries:</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锂电池标签。</p> <p>Each package must be durably and legibly marked with the lithium battery label.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 6                                                     | <p>附图/pictures</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



锂电池/Lithium Battery:



| KSTAR                                                |                                             |
|------------------------------------------------------|---------------------------------------------|
| Rechargeable Li-ion Battery System                   |                                             |
| Model:                                               | BC215DE2                                    |
| Battery Designation :                                | IFpP/73/175/206((20S)<br>12S)1PJE/-10+40/90 |
| Battery type:                                        | LiFePO4                                     |
| Rated capacity:                                      | 280Ah                                       |
| Nominal voltage:                                     | 768Vd.c.                                    |
| Rated energy:                                        | 215.04kWh                                   |
| AC input:                                            | 230Va.c., 50Hz, Max 17Aa.c.<br>loc 6KA      |
| Operation voltage range:                             | 684-864Vd.c.                                |
| MAX. discharge current:                              | 140Ad.c.                                    |
| MAX. charge current:                                 | 140Ad.c.                                    |
| Protection degree:                                   | IP54                                        |
| Protection class:                                    | I                                           |
| Production Date:                                     | 2025-04-28                                  |
| Serial No.:                                          | 210350046F4268500<br>0002                   |
| Importer:                                            |                                             |
| Shenzhen KSTAR New Energy Co., LTD.<br>MADE IN CHINA |                                             |



| KSTAR                                                      |                                  |
|------------------------------------------------------------|----------------------------------|
| Model BC-PACK-17.9-20S-140A                                |                                  |
| Battery pack designation:                                  | IFpP/73/175/206(20S)E /-10+40/90 |
| Battery type:                                              | LiFePO4                          |
| Rated capacity:                                            | 280Ah                            |
| Nominal voltage:                                           | 64Vd.c.                          |
| Rated energy:                                              | 17.92kWh                         |
| CE ⚡ 🔥 ⚠️                                                  |                                  |
| Production Date:                                           | 2024-02-25                       |
| Serial No.:                                                |                                  |
| Shenzhen Kstar New Energy Company Limited<br>MADE IN CHINA |                                  |

包装件/Package:



以下无正文内容  
检验专用章



附件:

测试摘要 (1)  
TEST SUMMARY(1)

| 电池生产商信息/Manufacturer information   |                                                                                                                                                                                                                                         |                      |                           |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------------|
| 电池生产商<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.,<br>Ltd.Guangming Branch                                                                                                                                                  |                      |                           |
| 生产商地址<br>Address                   | 中国广东省深圳市光明区玉塘街道田寮社区高新园区<br>西片区七号路科士达科技工业园<br>Kstar Tech-Industrial Park, 7th Road, Western Area, Hi-<br>Tech Industrial Zone, Tianliao Community, Yutang<br>Street, Guangming District, Shenzhen City, Guangdong<br>Province, P.R.China |                      |                           |
| 联系电话/Tell                          | +86-18676733209                                                                                                                                                                                                                         | 电子邮箱<br>E-mail       | libin@kstar.com.cn        |
| 网站地址/website                       | www.kstar.com                                                                                                                                                                                                                           |                      |                           |
| 电池信息/Battery information           |                                                                                                                                                                                                                                         |                      |                           |
| 电池类型<br>Type                       | 锂离子电池<br>Lithium ion Battery                                                                                                                                                                                                            | 型号<br>Model          | BC215DE2                  |
| 额定能量<br>Rated Energy               | 215.04kWh                                                                                                                                                                                                                               | 电池质量<br>Mass         | 约 2520.0kg                |
| 物理形状说明<br>Physical description     | 白色近长方体<br>Approximate White Cuboid                                                                                                                                                                                                      |                      |                           |
| 测试机构信息/Test laboratory information |                                                                                                                                                                                                                                         |                      |                           |
| 测试机构<br>test laboratory            | 广东科正技术服务有限公司<br>KSIGN(Guangdong) Testing Co., Ltd.                                                                                                                                                                                      |                      |                           |
| 机构地址<br>Address                    | 广东省深圳市宝安区沙井街道沙头社区民主九九工业<br>区福源厂新厂房 A 区 C 栋一层西侧，518104<br>West Side of 1/F., Building C, Zone A, Fuyuan New<br>Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing,<br>Bao'an District, Shenzhen, Guangdong, China                  |                      |                           |
| 联系电话<br>Tell                       | 0755-29852678                                                                                                                                                                                                                           | 电子邮箱<br>E-mail       | info@gdksign.cn           |
| 网站地址/website                       | http: www.gdksign.com                                                                                                                                                                                                                   |                      |                           |
| 测试报告信息/Test report information     |                                                                                                                                                                                                                                         |                      |                           |
| 报告编号/Test report ID                | KS2504S1968B01                                                                                                                                                                                                                          |                      |                           |
| 接样日期<br>Receiving date             | 2025-06-03                                                                                                                                                                                                                              | 测试日期<br>Testing date | 2025-06-05<br>~2025-06-13 |
| 测试人员<br>Tester                     | 黄木昭                                                                                                                                                                                                                                     | 批准人员<br>Approver     | 杨龙                        |

| 测试项目及结论/Test item and result                                                                                                                                                                          |                                                       |           |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------|-----------|
| 条款/Clause                                                                                                                                                                                             | 测试项目/Test Item                                        | 结论/Result | 备注/Remark |
| 38.3.3(f)                                                                                                                                                                                             | 小型集成电池<br>small battery assemblies                    | 不适用 N/A   | /         |
| 38.3.3(g)                                                                                                                                                                                             | 大型集成电池<br>Large battery assemblies                    | 通过/Pass   | /         |
| (i)                                                                                                                                                                                                   | 过度充电/Overcharge                                       | 通过/Pass   |           |
| (ii)                                                                                                                                                                                                  | 短路/Short circuits                                     | 通过/Pass   |           |
| (iii)                                                                                                                                                                                                 | 电池组之间过度放电/<br>Over discharge between the<br>batteries | 通过/Pass   |           |
| <div>结论/Result:</div> <div>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。</div> <div>The sample meets the requirement of UNITED NATIONS Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, Section 38.3.</div> |                                                       |           |           |



## 测试摘要 (2)

### TEST SUMMARY(2)

| 电池生产商信息/Manufacturer information   |                                                                                                                                                                                                               |                      |                           |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------------|
| 电池生产商<br>Manufacturer              | 宁德时代科士达科技有限公司<br>CATL-KSTAR Science and Technology Co., Ltd                                                                                                                                                   |                      |                           |
| 生产商地址<br>Address                   | 福建省宁德市霞浦经济开发区松山路 8 号<br>No.8 Songshan Road, Xiapu Economic Development Zone, Ningde City, FujianProvince, China                                                                                               |                      |                           |
| 联系电话/Tell                          | +86-593-8951228                                                                                                                                                                                               | 电子邮箱<br>E-mail       | LeiGX@catkstar.com        |
| 网站地址/website                       | www.catlkstar.com                                                                                                                                                                                             |                      |                           |
| 电池信息/Battery information           |                                                                                                                                                                                                               |                      |                           |
| 电池类型<br>Type                       | 锂离子电池<br>Lithium ion Battery                                                                                                                                                                                  | 型号<br>Model          | BC-PACK-17.9-20S-140A     |
| 额定能量<br>Rated Energy               | 17.92kWh                                                                                                                                                                                                      | 电池质量<br>Mass         | 约 136.1kg                 |
| 物理形状说明<br>Physical description     | 长方体<br>Cuboid                                                                                                                                                                                                 |                      |                           |
| 测试机构信息/Test laboratory information |                                                                                                                                                                                                               |                      |                           |
| 测试机构<br>test laboratory            | 广东科正技术服务有限公司<br>KSIGN(Guangdong) Testing Co., Ltd.                                                                                                                                                            |                      |                           |
| 机构地址<br>Address                    | 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<br>West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China |                      |                           |
| 联系电话<br>Tell                       | 0755-29852678                                                                                                                                                                                                 | 电子邮箱<br>E-mail       | info@gdksign.cn           |
| 网站地址/website                       | http: www.gdksign.com                                                                                                                                                                                         |                      |                           |
| 测试报告信息/Test report information     |                                                                                                                                                                                                               |                      |                           |
| 报告编号/Test report ID                | KS2404S1424B01 & KS2404S1424B01R1                                                                                                                                                                             |                      |                           |
| 接样日期<br>Receiving date             | 2024-04-07                                                                                                                                                                                                    | 测试日期<br>Testing date | 2024-04-07<br>~2024-04-26 |
| 测试人员<br>Tester                     | 李奕洪                                                                                                                                                                                                           | 批准人员<br>Approver     | 杨龙                        |



| 测试项目及结论/Test item and result                                                                                                                                                             |                                    |           |           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------|-----------|
| 条款/Clause                                                                                                                                                                                | 测试项目/Test Item                     | 结论/Result | 备注/Remark |
| 38.3.3(f)                                                                                                                                                                                | 小型集成电池<br>small battery assemblies | 不适用 N/A   | /         |
| 38.3.3(g)                                                                                                                                                                                | 大型集成电池<br>Large battery assemblies | 不适用 N/A   | /         |
| 38.3.4.1                                                                                                                                                                                 | 高度模拟/Altitude simulation           | 通过/Pass   | /         |
| 38.3.4.2                                                                                                                                                                                 | 温度试验/Thermal test                  | 通过/Pass   | /         |
| 38.3.4.3                                                                                                                                                                                 | 振动/Vibration                       | 通过/Pass   | /         |
| 38.3.4.4                                                                                                                                                                                 | 冲击/Shock                           | 通过/Pass   | /         |
| 38.3.4.5                                                                                                                                                                                 | 外部短路/External short circuit        | 通过/Pass   | /         |
| 38.3.4.6                                                                                                                                                                                 | 重物冲击/Impact                        | 不适用 N/A   | /         |
|                                                                                                                                                                                          | 挤压/Crush                           | 通过/Pass   | /         |
| 38.3.4.7                                                                                                                                                                                 | 过度充电/Overcharge                    | 通过/Pass   | /         |
| 38.3.4.8                                                                                                                                                                                 | 强制放电/Forced discharge              | 通过/Pass   | /         |
| <b>结论/Result:</b><br>样品满足联合国《试验与标准手册》第7修订版修正1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.7/Amend.1, Section 38.3. |                                    |           |           |

\*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.

| 运输信息<br>Transport Information |  |                                                                                                                      |
|-------------------------------|--|----------------------------------------------------------------------------------------------------------------------|
| 件数<br>Pieces                  |  | 本栏内容由托运人或其代理人在使用本鉴定书时填写，不属于鉴定内容。运输信息及实际运输货物与鉴定书的一致性由托运人或其代理人保证并承担全部责任。请认真填写本栏内容并盖章。<br><br>签字人：                  盖章： |
| 运单号<br>Waybill No.            |  |                                                                                                                      |
| 目的港<br>Destination            |  |                                                                                                                      |

——以下无内容——

