

报告编号: HGYS2512KZU

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正本/ORIGINAL

版本号: V2.0.1.1

页码: 第 1 页 共 7 页

## 运输危险性鉴定书

HAZARD CLASSIFICATION AND IDENTIFICATION REPORT FOR TRANSPORT OF GOODS

(适用海运运输)  
(Suitable for sea transport)危险货物  
Dangerous goods

|                        |                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| *样品名称:                 | 可充电锂离子电池 S51280                                                                                                                                                     |
| Sample Name:           | Rechargeable Li-ion Battery S51280                                                                                                                                  |
| *委托单位:                 | 大秦数字能源科技股份有限公司                                                                                                                                                      |
| Applicant:             | Dyness Digital Energy Technology Co., LTD.                                                                                                                          |
| 生产单位:                  | 大秦新能源科技(泰州)有限公司                                                                                                                                                     |
| Manufacturer:          | DAQIN NEW ENERGY TECH (TAIZHOU) CO., LTD.                                                                                                                           |
| *客户资料:                 | HGYS2512KZU 《委托单》、P140897 《送检样品组分一致性声明》、<br>P140897 《UN 38.3》、P140897-产品图片                                                                                          |
| Information materials: | HGYS2512KZU 《Application》、P140897 《Declaration of consistency<br>of components of the sample submitted for inspection》、P140897 《UN<br>38.3》、P140897-Product Picture |

常州合規思远产品安全技术服务有限公司  
Changzhou Compliance Siyuan Product Safety Technical Service Co., Ltd.

检验检测专用章



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## 一、基本信息 (Basic Information)

|                                                      |                                                                                                                                                            |                                    |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 产品名称                                                 | 中文名称<br>(Chinese)                                                                                                                                          | 可充电锂离子电池 S51280                    |
|                                                      | 英文名称<br>(English)                                                                                                                                          | Rechargeable Li-ion Battery S51280 |
| 委托单位<br>(Applicant)                                  | 大秦数字能源技术股份有限公司<br>Dyness Digital Energy Technology Co., LTD.                                                                                               |                                    |
| 生产单位<br>(Manufacturer)                               | 大秦新能源科技(泰州)有限公司<br>DAQIN NEW ENERGY TECH (TAIZHOU) CO., LTD.                                                                                               |                                    |
| 检验方法、程序<br>(Inspection Methods<br>and<br>Procedures) | 国际海事组织《国际海运危险货物规则》IMO IMDG CODE 2024 版<br>International Maritime Organization's International Maritime Dangerous Goods Code, IMO IMDG<br>CODE 2024 edition |                                    |

## 二、样品信息 (Sample information)

|                           |                                                           |                 |                      |
|---------------------------|-----------------------------------------------------------|-----------------|----------------------|
| 样品外观<br>Sample appearance | 白色长方体。(见附页照片)。<br>White Cuboid.(see picture for details). |                 |                      |
| 电池类型/Type                 | 型号/Model                                                  | 容量/Capacity     | 放置方式/Placement       |
| 锂离子电池<br>Lithium ion Cell | S51280                                                    | 280Ah/14.336kWh | 仅有电池<br>Only battery |

## 三、鉴定结论 (Identification Conclusion)

|                                                                                                   |                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.危险性识别:<br>杂项危险性(主)。                                                                             | 1.Hazards identification:<br>Miscellaneous Dangerous(main).                                                                                                                                     |
| 2.海运按照 IMO IMDG Code 办理的类项:<br>运输名称: 锂离子蓄电池(包括锂离子聚合物蓄电池)<br>主要危险性: 9<br>次要危险性: -<br>UN编号: UN 3480 | 2.Suggestion according to IMO IMDG Code:<br>Shipping Name: LITHIUM ION BATTERIES (including<br>lithium ion polymer batteries)<br>Class or Division:9<br>Subsidiary Risk: -<br>UN Number:UN 3480 |
| 3.包装类别: 包装必须符合II类包装性能水平。                                                                          | 3.Packaging group:Packagings shall conform to the packing<br>group II performance level.                                                                                                        |

鉴定:

李叶

审核:

刘要

签发:

吴珂

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印章:

检验检测专用章

根据国际海事组织《国际海运危险货物规则》规定,该产品仅在所含每个电池或电池组都符合《试验和标准手册》第三部分第 38.3 节各项试验的要求时,才能按照本报告分类结论进行运输。According to the IMDG Code of the IMO, this product may only be transported in accordance with the classification conclusions of this report if each cell or batteries contained in it meets the requirements of the tests in Section 38.3 of Part 3 of the Manual of Tests and Criteria.



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| 鉴定项目<br>Identification Items                               | 鉴定结果<br>Identification Conclusion Results                                                                                                    |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 爆炸危险性鉴定<br>Identification of Explosive Hazard              | 该货物不属于爆炸品。<br>The product is not classified in Explosives.                                                                                   |
| 易燃危险性鉴定<br>Identification of Flammable Hazards             | 该货物不属于易燃危险品。<br>The product is not classified in flammable substances.                                                                       |
| 氧化危险性鉴定<br>Identification of Oxidative Hazards             | 该货物不属于氧化剂和有机过氧化物。<br>The product is not classified in oxidizing substances and organic peroxides.                                            |
| 毒害及传染危险性鉴定<br>Identification of Toxic & Infectious Hazards | 该货物不属于有毒和传染性物质。<br>The product is not classified in toxic and infectious.                                                                    |
| 放射危险性鉴定<br>Identification of Radioactive Hazard            | 该货物无放射危险性。<br>The product is not classified in radioactive material.                                                                         |
| 腐蚀危险性鉴定<br>Identification of Corrosive Hazard              | 该货物不属于腐蚀品。<br>The product is not classified in corrosives.                                                                                   |
| 其他危险性鉴定<br>Identification of other Hazards                 | 该货物属于第 9 类杂项危险物质和物品（杂项危险性）。<br>The product is classified in Class 9 Miscellaneous dangerous substance and articles(Miscellaneous Dangerous). |

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| 序号<br>No. | 运输相关要求说明<br>Description of transportation related requirements                                                                                                                                                                                                                        |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1         | 本报告所述电池是在高质量管理程序下生产。<br>Cells and batteries listed in this report were manufactured under the quality management programme.                                                                                                                                                           |
| 2         | 本报告所述电池通过了联合国《试验和标准手册》第III部分, 38.3 节规定的试验。电池的测试摘要见第 5 页。<br>Cells and batteries listed in this report are of the types proved to meet the requirements of each applicable test in the <b>Manual of Tests and Criteria</b> , Part III, Subsection 38.3. The test summary is on page 5. |
| 3         | 本报告所述的每一电池和电池组都应装有安全排气装置, 或在设计上能防止在正常运输中难免发生的条件下骤然破裂。<br>Each cell and battery listed in this report shall incorporate a safety venting device or is designed to preclude a violent rupture under conditions normally incident to transport.                                          |
| 4         | 每个包含多个并联电池或电池系列的电池组, 都应装有防止反向电流造成危险所需的有效装置(例如二极管、保险丝等)。<br>Each battery containing cells or series of cells connected in parallel listed in this report shall be equipped with effective means as necessary to prevent dangerous reverse current flow (e.g., diodes, fuses, etc.).    |
| 5         | 本报告所述的每一电池和电池组都应装有防止外部短路的有效装置。<br>Each cell and battery listed in this report shall be equipped with an effective means of preventing external short circuits.                                                                                                                        |

注: 以上运输相关要求中均来自本报告所对应的检验方法、程序, 其中仅第 2 条要求经本检验机构确认。





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附页: UN38.3 试验概要/Test summary

锂电池 UN38.3 试验概要 Lithium Battery Test Summary

项目编号: TCT240619B602

| 单位信息 Company Information                                      |                                                                                                                                                                                                                                                                                                                               |                                        |                           |                            |            |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------|----------------------------|------------|
| 委托单位<br>Consignor                                             | 大秦数字能源技术股份有限公司<br>Dyness Digital Energy Technology Co., LTD.                                                                                                                                                                                                                                                                  |                                        |                           |                            |            |
| 生产单位<br>Manufacturer                                          | 大秦新能源科技(泰州)有限公司<br>DAQIN NEW ENERGY TECH (TAIZHOU) CO., LTD.                                                                                                                                                                                                                                                                  |                                        |                           |                            |            |
| 测试单位<br>Test Lab                                              | 深圳市通测检测技术有限公司<br>Shenzhen TCT Testing Technology Co., Ltd.<br>广东省深圳市宝安区福海街道桥头社区稔山工业区振昌胶粘制品厂 2101、2201<br>2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict,<br>Bao'an District, Shenzhen, Guangdong, China<br>电话/Tel: 86-755-27673339 邮箱/Mail: tom@tct-lab.com<br>网址/Website: http://www.tct-lab.com |                                        |                           |                            |            |
| 电池信息 Battery Information                                      |                                                                                                                                                                                                                                                                                                                               |                                        |                           |                            |            |
| 名称<br>Name                                                    | Rechargeable Li-ion<br>Battery<br>可充电锂离子电池                                                                                                                                                                                                                                                                                    | 电池/电芯类别<br>Battery/Cell Classification | 锂离子电池<br>Li-ion Battery   |                            |            |
| 型号<br>Type                                                    | S51280                                                                                                                                                                                                                                                                                                                        | 商标<br>Trademark                        | [Red Star Logo]           |                            |            |
| 额定电压<br>Normal Voltage                                        | 51.2V                                                                                                                                                                                                                                                                                                                         | 额定容量<br>Rated Capacity                 | 280Ah                     |                            |            |
| 额定能量<br>Watt-hour rating                                      | 14.336kWh                                                                                                                                                                                                                                                                                                                     | 外观/Appearance                          | 外观正常<br>Normal Appearance |                            |            |
| 质量/Mass                                                       | 115KG                                                                                                                                                                                                                                                                                                                         | 锂含量/Li Content                         | 不适用 N/A                   |                            |            |
| 测试信息 Test Information                                         |                                                                                                                                                                                                                                                                                                                               |                                        |                           |                            |            |
| 测试报告编号<br>Test Report Number                                  | TCT240619B602                                                                                                                                                                                                                                                                                                                 | 测试报告签发日期<br>Date of Test Report        | 2025.04.07                |                            |            |
| 测试标准<br>Edition of UN Manual<br>of Tests and Criteria<br>Used | UN "Manual of Tests and Criteria" 5T/SG/AC.10/11/Rev.8/Subsection 38.3.<br>联合国《试验和标准手册》(第八修订版) 38.3 节。                                                                                                                                                                                                                        |                                        |                           |                            |            |
| T.1: 高度模拟<br>Altitude Simulation                              | 通过<br>Pass                                                                                                                                                                                                                                                                                                                    | T.2: 温度试验<br>Thermal Test              | 通过<br>Pass                | T.3: 振动<br>Vibration       | 通过<br>Pass |
| T.4: 冲击<br>Shock                                              | 通过<br>Pass                                                                                                                                                                                                                                                                                                                    | T.5: 外部短路<br>External Short Circuit    | 通过<br>Pass                | T.6: 撞击/挤压<br>Impact/Crush | 通过<br>Pass |
| T.7: 过度充电<br>Overcharge                                       | 通过<br>Pass                                                                                                                                                                                                                                                                                                                    | T.8: 强制放电<br>Forced Discharge          | 通过<br>Pass                | /                          |            |
| UN38.3.3(f)                                                   | 不适用 N/A                                                                                                                                                                                                                                                                                                                       |                                        | UN38.3.3(g)               |                            |            |
| 签名<br>Signatory<br>职务<br>Title                                | 检验员<br>Mollie Wu 姜玲玲                                                                                                                                                                                                                                                                                                          |                                        | 签发日期<br>Issued Date       | [TCT Logo]                 |            |



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附页: 样品图片 Pictures of Sample



DYNESS

IFpP73/176/208[(8S)2S]M/-30+60/95

Product: Rechargeable Li-ion Battery  
Module: S51280  
Nominal Voltage: 51.2Vdc  
Rated Energy/Capacity: 14.336kWh/280Ah  
Charge Voltage: 57.6V  
Protection Degree: IP20  
Max. Charge Current: 200A  
Max. Discharge Current: 200A  
Series Number: 7

WARNING

- \* Do not disconnect, disassemble or repair by yourself.
- \* Do not drop, deform, impact, cut or spearing with a sharp object.
- \* Do not place near open flame or incinerate.
- \* Do not sit or put heavy things on the battery.
- \* Keep away from moisture or liquid.
- \* Keep out of reach of children, animals or insects.
- \* Contact the supplier within 24 hours if anything wrong.



Dyness Digital Energy Technology Co., LTD.

\*\*\*报告结束\*\*\*



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## 免责声明

1. 依据出具报告的需要, 本公司要求委托人提供真实、完整的样品及资料 (详见报告带★部分)。本公司不承担因委托人提供错误信息导致的任何后果。如委托人提交的化学品信息、权威数据库以及相关政策的变化影响本报告的结论时, 本报告自动失效。本报告中数据仅对此次委托方送检样品负责, 不适用于检验样品以外的相同批次、相同规格或相同品牌的产品, 也不适用于证明与制作、加工或生产检验样品相关的方法、流程或工艺的正确性、合理性。送检样品组分信息的准确性由委托方负责。

According to the needs of issuing the report, the company requires the client to provide true and complete samples and data (see the report tape ★ for details). The Company will not bear any consequences caused by the wrong information provided by the Client. If the chemical information, authoritative database and relevant policy changes submitted by the client affect the conclusions of this report, this report will automatically become invalid. The data in this report is only responsible for the samples submitted by the client for testing and does not apply to the same batch, specification, or brand of products other than the test samples. It also does not apply to proving the correctness or reasonableness of methods, processes, or workmanship related to the manufacturing, processing, or production of the test samples. The accuracy of the component information of the submitted samples is the responsibility of the client.

2. 本报告的数据来源基于委托人提交的相关资料信息以及国际权威数据库、实验室的检测结果和目前本公司所掌握的相关知识, 我们在审核时尽量确保所有信息的正确性。但由于信息来源的多样性以及本公司所掌握知识的局限性, 本报告的使用者应依据使用目的, 对相关信息的合理性做出进一步判断。

The data source of this report is based on the relevant materials and information submitted by the client, the test results of international authoritative databases, laboratories and the current relevant knowledge of the company. We try our best to ensure the correctness of all information during the audit. However, due to the diversity of information sources and the limitations of the Company's knowledge, users of this report should make further judgments on the reasonableness of relevant information based on the purpose of use.

3. 本报告结论并未对该货物在海运运输时, 是否属于《国际海运危险货物规则》中的“海洋污染物”做出判断。报告使用者需在实际运输时, 根据运输方式的不同, 自行做出判断。

The conclusion of this report did not judge whether the goods belonged to the "Marine Pollutant" in the IMDG when transporting the goods. Reporters need to make their own judgments during the actual transportation.

4. 本报告经授权签字人签字并加盖本单位印章后生效。  
This report will be effective only after it is signed by the inspector, approver and stamped by our company.

5. 本公司保证本报告的客观公正性, 对委托单位的商业信息、技术文件等信息履行保密义务。  
Our company guarantees the objectivity and fairness of this report, and carries out confidentiality obligations on business secrets such as business information, technical documents and so on.

6. 本报告不考虑国家和经营人差异。  
This report does not consider the differences between countries and operators.

7. 未经本公司书面批准, 不得部分复制本报告书。  
The partly duplicating of this report is prohibited without the written approver.

8. 私自转让、盗用、冒用、涂改、或以任何媒体形式篡改的报告书无效。检验报告仅限于委托方使用, 委托方将检验报告转让给任何第三方使用所造成的任何损失, 本公司不承担任何责任。

The report is invalid when anything of the following happens-illegal transfer, embezzlement, imposture, modification or tampering in any media form. The inspection report is intended solely for the use of the client, and the company assumes no liability for any losses resulting from the transfer of the inspection report to any third party for use.

9. 委托方对检验报告有异议的, 应当自收到本报告之日起十五天内向本公司提出书面异议, 逾期未提出书面异议的, 视为无异议。

If the client has any objections to the inspection report, they should submit a written objection to the company within fifteen days from the date of receipt of this report. If no written objection is raised within the specified time, it will be deemed that there are no objections.

10. 因不可抗力、国家法律政策、行政强制行为或司法强制行为导致委托方提供的检验样品损毁、灭失, 导致无法出具检验报告, 或者造成委托方的任何损失和费用, 本公司不负赔偿责任。

Due to force majeure, national legal policies, administrative mandatory behavior or judicial compulsory behavior, the inspection samples provided by the commissioner will be damaged and lost, resulting in the inspection report cannot be issued, or any losses and costs of the client, the company will not be liable for compensation.

11. 本报告有效期至 2026 年 12 月 31 日。  
This report is valid until December 31, 2026.

