



NO.212300839599045



# 货物运输条件鉴定书

## Certification

### for Safe Transport of Chemical Goods

## 危险品

样品名称： 锂离子电池组 V5° α 51.2V 100Ah 5.12kWh

Sample name: Lithium ion Battery Pack V5° α 51.2V 100Ah 5.12kWh

委托单位： 上海派智能能源股份有限公司  
Shanghai PYTES Energy Co., Ltd.

生产单位： 上海派智能能源股份有限公司  
Shanghai PYTES Energy Co., Ltd.



上海化工院检测有限公司  
SHANGHAI INSTITUTE OF CHEMICAL INDUSTRY TESTING CO.,LTD.



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|  |   |  |                               |                        |
|--|---|--|-------------------------------|------------------------|
| 样品名称<br>Sample Name                        | 中文<br>Chinese   | 锂离子电池组 V5° α 51.2V 100Ah 5.12kWh                   |                               |                        |
|  | 英文<br>English   | Lithium ion Battery Pack V5° α 51.2V 100Ah 5.12kWh |                               |                        |
| 委托单位<br>Consignor                          | 上海派能源股份有限公司<br>Shanghai PYTES Energy Co., Ltd.  |  |                               |                        |
| 生产单位<br>Manufacturer                       | 上海派能源股份有限公司<br>Shanghai PYTES Energy Co., Ltd.  |  |                               |                        |
| 检验方法、程序<br>Inspection method and procedure | 国际海事组织《国际海运危险货物规则》(2020版)<br>IMO International Maritime Dangerous Goods Code (2020 Edition)   |  |                               |                        |
| 样品外观<br>Sample appearance                  | 银色金属外壳<br>Silvery Metal shell   |  |                               |                        |
| 包装件信息<br>Package information               | /   |  |                               |                        |
| 序号<br>NO.                                  | 电池种类<br>Battery type  | 型号<br>Model  | 容量Capacity<br>/ 锂含量Li content | 放置方式<br>Placement      |
| 1  | 可充电锂离子电池组<br>Rechargeable Li-ion battery  | V5° α  | 100Ah 5.12kWh                 | 电池单独运输<br>Battery only |
| 鉴定结论<br>IDENTIFICATION CONCLUSION          | 1. 危险性识别 (Hazards identification)<br>杂项。<br>Miscellaneous.  |  |                               |                        |
|  | 2. 海运按照国际海事组织《国际海运危险货物规则》办理的类项 (Suggestion according to IMO IMDG Code)<br>Shipping name: Lithium ion batteries<br>Class or division: 9<br>UN Number: UN3480 |  |                               |                        |
| 鉴定结论<br>IDENTIFICATION CONCLUSION          | 3. 包装要求 (Packaging requirements)<br>按UN3480要求办理。<br>Suggestion according to UN3480.   |  |                               |                        |
|  | <p>检验日期: 2023-07-12      签发日期: 2023-07-12      生效日期: 2023-07-12</p> <p>Inspection Date:      Issue Date:      Effective Date:</p>                           |  |                               |                        |
| 备注<br>Comment                              | /   |  |                               |                        |



批准  
Approver: 王军

审核  
Checker: 董学胜

主检  
Appraiser: 孙清



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| 序号<br>No.    | 检验结果及其他事项<br>Inspection results and other things   |
|--------------|--|
|              | <p>本报告所述锂电池按照《国际海运危险货物规则》(2020版) 2.9.4.5规定的质量管理体系进行制造。<br/>Lithium cells and batteries listed in this report were manufactured under the quality management program described in IMDG CODE 2020 EDITION 2.9.4.5 .</p>  |
| 2            | <p>本报告所述锂电池已通过联合国《试验和标准手册》第III部分38.3小节相应测试要求。<br/>Lithium cells and batteries listed in this report are of the types proved to meet the requirements of each applicable test in the UN Manual of Tests and Criteria, Part III, sub-section 38.3.<br/>UN38.3试验概要编号<br/>The UN38.3 Test Summary No. (s)<br/>812300100438371<br/>详细信息请扫描右侧二维码。<br/>Please scan the QR code on the right for more information.</p>  |
| 3            | <p>相关要求按照UN3480规定办理。<br/>Suggestion according to UN3480.</p>   |
| 4            | <p>电池具有适当的防短路措施。<br/>Cells and batteries are properly protected to prevent short circuits.</p>   |
| 5            | <p>每个包装件必须使用9类锂电池危险性标签(9A号)。但是,对于货物运输组件的标牌,标牌应符合9号。<br/>Each package must be labelled with the Class 9-Lithium Battery hazard label (Model No. 9A). However, for placarding of cargo transport units, the placard shall correspond to Model No. 9.</p>   |
| 6            | /  |
| 7            | /  |
| -验证码:475327- |  |

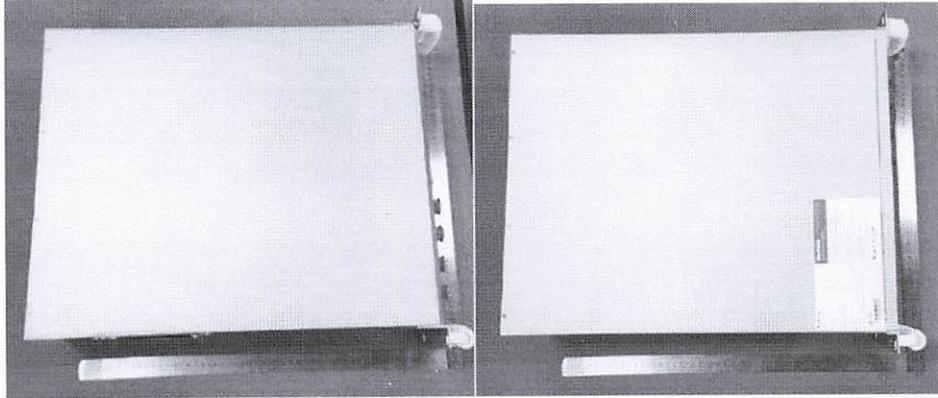


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| Pytas                                |                |
|--------------------------------------|----------------|
| Battery Model                        | V5 $\alpha$    |
| Battery Cell Type                    | Li-ion Battery |
| Operating Voltage Range              | 47.5V-57.6V    |
| Nominal Voltage                      | 51.2V          |
| Rated Energy                         | 5.12kWh        |
| Rated Capacity                       | 100Ah          |
| Rated Charge/Discharge Current       | 50A            |
| Recommended Charge/Discharge Current | 75A            |
| Recommended Charge/Discharge Power   | 3840W          |
| Protective Class                     | Class<br>IP20  |
| Ingress Protection Code              |                |



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