



中国认可  
检验  
INSPECTION  
CNAS IB0078

危险物品  
DANGEROUS GOODS

仅限货机运输

# 航空运输危险性鉴别报告

## Identification and Classification Report for Air Transport of Goods

报告编号: PEKSZ202401111841ZN160001  
Issued No.:  
生效日期: 2024. 01. 15  
Effective Date:

此报告本年度有效  
有效期至2024年12月31日

委托单位: 深圳古瑞瓦特电源科技有限公司  
Applicant: Shenzhen Growatt Power Technology Co., Ltd  
物品名称: 便携式储能电源 INFINITY 2000 40Ah 51.2V 2048Wh

Name of Goods: Portable Power Station INFINITY 2000 40Ah 51.2V 2048Wh

北京迪捷姆空运技术开发有限公司  
Beijing DGM Air Transport Technology Development Co., Ltd.



# 报告书使用约定

## Terms of the Using of the Report

1. 本公司依据本年度国际航协《危险品规则》以及委托人（托运人或其代理人）提供的物品及其运输信息，确定物品的航空运输危险性并出具此报告书。  
The report is issued by DGM China according to IATA *Dangerous Goods Regulations* published in the current year and the information of the goods and the information of its shipping provided by the applicant (shipper or his agent).
2. 依据鉴别的需要，本公司要求委托人提供真实、完整的样品及资料。  
According to the demand of identification and classification, DGM China requires the applicant to provide true and exact sample and data of the goods.
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The applicant guarantees that the declared goods and/or the sample who provides should be identical with the contents of cargo that is to be transported.
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地址：北京首都国际机场货运北路天竺综合保税区BGS货运楼249室 邮编：101300

电话：010-69479673 传真：010-69479621

网址：[www.dgmchina.com.cn](http://www.dgmchina.com.cn) E-mail：[test@dgmchina.com.cn](mailto:test@dgmchina.com.cn)



|                                 |  |   |            |
|---------------------------------|--|---|------------|
| 项目编号<br>Item No.                | PEKSZ202401111841  | 签发日期<br>Issued Date   | 2024.01.15 |
| 鉴别目的<br>Identification Purpose  | 是否属于航空运输危险物品<br>Dangerous Goods or not restricted  | 鉴别日期<br>Identification Date   | 2024.01.15 |
| 鉴别依据<br>Identification Criteria | IATA DGR 65th, 2024  |   |            |
| 物品名称<br>Name of Goods           | 中文<br>Chinese  | 便携式储能电源 INFINITY 2000 40Ah 51.2V 2048Wh   |            |
|                                 | 英文<br>English  | Portable Power Station INFINITY 2000 40Ah 51.2V 2048Wh  |            |
| 生产厂家<br>Manufacturer            | 广东省古瑞瓦特新能源有限公司<br>Guangdong Growatt New Energy Co., Ltd.   |   |            |
| 件数<br>Pieces                    |  | 注：本栏内容为托运人或其代理人在使用本报告书时候填写的运输信息，不属于鉴定内容。运输信息与报告书的关联性以及实际运输货物与报告书的一致性由托运人或其代理人保证，如发生任何不一致由托运人或其代理人承担全部责任。<br>(请认真填写本栏内容，并盖章)<br>负责人： 联系方式： |            |
| 运单号<br>Air waybill No.          |  |   |            |
| 目的港<br>Destination              |  |   |            |
| 物品信息<br>Nature of the goods     | <p>该样品为黑色近长方体电池。<br/>型号：INFINITY 2000<br/>尺寸：457.0×247.0×310.0mm<br/>每包装件中电池/电芯数量：1<br/>每包装件中电池/电芯净重：23.3kg<br/>该电池已经做好防短路措施并装入坚固的外包装内。<br/>该锂电池不属于召回电池，不属于废弃和回收电池，并按照DGR3.9.2.6.1(e)规定的质量体系进行制造<br/>根据委托方所提供的声明：本报告所述锂离子电池（或电芯）交付运输时，其荷电状态不超过设计额定容量的30%。<br/>(注：单块电池的重量约为23.3kg。该电池的UN38.3报告由深圳市北测新能源技术有限公司出具，报告编号：P23101601401。该电池由塑料袋单独包装，以防止短路。)</p> <p>This sample is black almost cuboid battery.<br/>Model: INFINITY 2000<br/>Size: 457.0×247.0×310.0mm<br/>Number of batteries / cells per package: 1<br/>Net quantity of batteries/cells per package: 23.3kg<br/>Batteries have been protected so as to prevent short circuits and packed in strong rigid outer packagings.<br/>The lithium batteries don't belong to batteries returned to the manufacturer for safety reasons, are not waste lithium batteries and not lithium batteries being shipped for recycling or disposal, are manufactured under a quality management program as described in 3.9.2.6.1(e).<br/>Lithium ion cells and batteries must be offered for transport at a state of charge(SoC) not exceeding 30% of their rated design capacity.</p> |   |            |



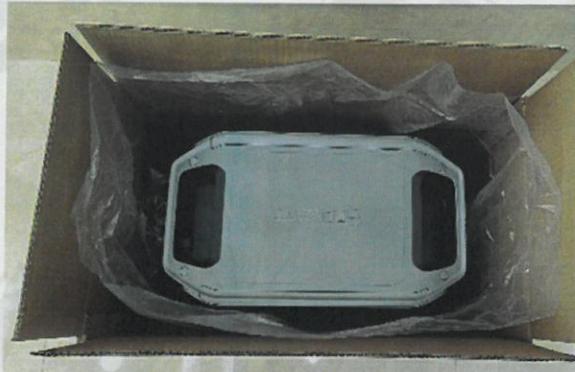
|   |                       |  |           |  |                          |
|---|-----------------------|--|-----------|--|--------------------------|
| 项目编号<br>Item No.                              |                       | PEKSZ202401111841  |           |  |                          |
| 物品名称<br>Name of Goods                         | 中文<br>Chinese         | 便携式储能电源 INFINITY 2000 40Ah 51.2V 2048Wh  |           |  |                          |
|   | 英文<br>English         | Portable Power Station INFINITY 2000 40Ah 51.2V 2048Wh   |           |  |                          |
| 鉴别结论<br>Conclusions                           |                       | <p>该物品为锂离子/聚合物电池，单独包装。额定瓦特小时为2048Wh。已通过 UN38.3 测试。</p> <p>参考有关资料，根据DGR有关规定，该物质分类识别为第9类（或项）危险品，UN3480。<br/>This goods is lithium ion/polymer battery,packed individually.Watt-hour rating is 2048Wh.Each battery is of a type proved to meet the Requirements of each test in the UN MANUAL OF TESTS AND CRITERIA, Part III, sub-section 38.3.</p> <p>According to IATA DGR this substance is classified as dangerous goods Class (or division) 9,UN3480.</p> |           |  |                          |
| 运输危险性<br>建议<br>Suggestion<br>for<br>Transport | UN/ID 编号<br>UN/ID No. | 运输专用名称<br>Proper Shipping Name   |           | 类或项<br>Class or Div.<br>(次要危险性)<br>(Subsidiary Risk) | 包装等级<br>Packing<br>Group |
|   | UN3480                | Lithium ion batteries  |           | 9  | /                        |
|   | 包装说明<br>Packing Inst. | 客货机<br>Passenger and Cargo Aircraft  | Forbidden |  |                          |
|   |                       | 仅限货机<br>Cargo Aircraft only  | 965 IA    |  |                          |
|   | 注意事项<br>Remarks       | 包装必须达到II级包装的性能标准<br>Packagings must meet Packing Group II performance standards.   |           |  |                          |
| 主检员<br>Prepared by:                           |                       | 审核人<br>Checked by:   |           | 批准人<br>Approved by:                                  |                          |
| 罗晓锋   |                       | [Signature]  |           | [Signature]  |                          |
|   |                       |  |           | 报告单位（盖章）<br>Stamp                                    |                          |
|   |                       |  |           | [Red Stamp: 迪捷姆空运技术开发有限公司]                           |                          |

制单： 罗晓锋



# 便携式储能电源 INFINITY 2000 40Ah 51.2V 2048Wh

PEKSZ202401111841



**GROWATT**

**Product Name:** Portable Power Station  
**Model:** INFINITY 2000  
**SKU:** PPS2000LFP01-EU

**Input:**  
AC Input: 200-240V~, 50/60Hz, 1800W Max.  
Vehicle Input: 12-24V~, 8A Max.  
Solar Input: 12-60V~, 1200W Max.

**Output:**  
AC Output: 230V~ 50/60Hz, 2400W Max.  
DC Output:  
USB-A: 5V~, 2.4A; 9V~, 2A; 12V~, 1.5A  
USB-C: 5/9/12/15/20V~, 5A, 100W Max.  
Car Outlet: 13.2V~, 10A Max.  
DC 5521: 13.2V~, 3A Max.  
Anderson Port: 13.2V~, 30A Max.

**Battery:**  
Battery Capacity: 2048Wh, 51.2V  
Battery Type: LFP  
Charging Temperature: 0~45°C  
Discharging Temperature: -20~45°C

**Authorized Representative:**  
Growatt New Energy GmbH  
Growatt New Energy GmbH, Max-Planck-Straße 36, 61381 Friedrichsdorf

Shenzhen Growatt Power Technology Co., Ltd  
Building A, Sino-German(Europe) Industrial Park, Hangcheng Ave,  
Xixiang, Bao'an District, Shenzhen, China

CE UK CA  
P/N: \_\_\_\_\_  
S/N: \_\_\_\_\_

Made in China  
940.PP0003801c

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

项目编号: PEKSZ202401111841

| 单位信息 Company Information                                      |   |  |                     |                               |            |
|---|---|--|---------------------|-------------------------------|------------|
| 委托单位<br>Consignor   | 深圳古瑞瓦特电源科技有限公司<br>深圳市宝安区西乡街道固兴社区航城大道中德欧产业示范园 A 栋 A1001<br>电话/Tel: +0755-29515888 邮箱/Mail: hongrong.qin@growatt.com  |  |                     |                               |            |
| 生产单位<br>Manufacturer  | 广东省古瑞瓦特新能源有限公司<br>惠州市惠阳区平潭镇房坑村公路边第 17 号房屋<br>电话/Tel: +0755-29515888 邮箱/Mail: hongrong.qin@growatt.com   |  |                     |                               |            |
| 测试单位<br>Test Lab  | 深圳市北测新能源技术有限公司<br>地址: 深圳市宝安区航城街道三围社区奋达高新科技园 C 栋 101<br>电话/Tel: +86(0)-755-3699 5529 邮箱/Mail: Nequality@ntek.org.cn<br>网址/Website: http://www.ntekbat.org.cn |  |                     |                               |            |
| 电池信息 Battery Information                                      |   |  |                     |                               |            |
| 名称<br>Name  | 便携式储能电源<br>Portable Power Station   | 电池/电芯类别<br>Battery/Cell Classification |                     | 锂离子电池<br>Li-ion Battery       |            |
| 型号<br>Type  | INFINITY 2000   | 商标<br>Trademark                        |                     | GROWATT                       |            |
| 额定电压(V)<br>Normal Voltage(V)                                  | 51.2V   | 额定容量(Ah)<br>Rated Capacity(Ah)         |                     | 40Ah                          |            |
| 额定能量(Wh)<br>Watt-hour rating (Wh)                             | 2048Wh  | 外观/Appearance                          |                     | 黑色近长方体<br>Black almost cuboid |            |
| 质量(kg)/Mass(kg)   | 23.3kg  | 锂含量(g)/Li Content(g)                   |                     | 不适用 N/A                       |            |
| 测试信息 Test Information   |   |  |                     |                               |            |
| 测试报告编号<br>Test Report Number                                  | P23101601401  | 测试报告签发日期<br>Date of Test Report        |                     | 2023-12-17                    |            |
| 测试标准<br>Edition of UN Manual<br>of Tests and Criteria<br>Used | 联合国《试验和标准手册》(第七修订版修正 1) 38.3 节<br>UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7 Amend.1/Subsection 38.3  |  |                     |                               |            |
| 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)         | 不适用 N/A                       |            |
| 签名<br>Signatory<br>职务<br>Title                                | 罗晓峰<br>检验员  |  | 签发日期<br>Issued Date | 2024.01.11                    |            |

