

ENERGRID M261

Certificates & Reports

Key Pages

Ver.A



ZHONGTIAN ENERGY STORAGE TECHNOLOGY CO., LTD.

No.36, East Hongxing Road,

NETDA, Nantong,

Jiangsu, P.R. China



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Note: The following are key pages of the certificates. The complete document can be provided separately.



EU Declaration of Conformity

CE

EU Declaration of Conformity

According to Regulation (EU) No 2019/2010 and Directives 2014/30/EU, 2014/35/EU, 2011/65/EU

Name of the product: Power conversion system

Type	Nominal AC Power (kVA)
PWS1-135M-H-EX	135

Software version: V1.0

Manufacturer: Shenzhen Sinexcel Electric Co., Ltd., Building 6, BaiWangXin High-tech, Industrial Park, Nanshan District, Shenzhen City, China

We declare that this product complies with the following:

EU Directives:

- 2014/35/EU - Low Voltage Directive (LVD)
- 2014/30/EU - Electromagnetic Compatibility (EMC) Directive.
- Regulation (EU) 2019/2010 - CE marking

Relevant harmonized standards used:

- EN 50549-1:2019+A1:2023&EN 50549-2:2019+A1:2023&EN 50549-10:2022 - Connection of production equipment to the public network (Low voltage)
- EN 61000-6-2:2019 & EN 61000-6-4:2019 - EMC standards: interference and immunity
- EN 62109-1:2010 & EN 62109-2:2011 - Safety of power electronics for PV systems
- EN 62477-1:2023 Safety requirements for power electronic converter systems and equipment Part 1: General

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Dated: 2025/9/30

Signature of responsible person: MingXing Zhu

Position: General Manager, Global Energy Storage and Microgrid Solution BU

Our address is Bldg. 6, Zone 2, Baiwangxin Hi-tech Park, 1002 Songbai Rd., Nanshan Shenzhen 518000.



EN 50549-1 Certificate-PCS

Prüfbericht - Produkte Test Report - Products		 TÜVRheinland®	
Prüfbericht-Nr.: Test report no.:	CN25Y8E2 001	Auftrags-Nr.: Order no.:	168556830 Seite 1 von 27 Page 1 of 27
Kunden-Referenz-Nr.: Client reference no.:	2064060	Auftragsdatum: Order date:	2025-05-29
Auftraggeber: Client:	Shenzhen Sinexcel Electric Co., Ltd. Building 6, Zone 2, Nanshan Baiwangxin High-Tech Industry Park, No.1002 Songbai Road, Nanshan District, Shenzhen 518055 GUANGDONG P.R. CHINA		
Prüfgegenstand: Test item:	Power Conversion System		
Bezeichnung / Typ-Nr.: Identification / Type no.:	PWS1-125M-EX, PWS1-125M-EX-R, PWS1-135M-EX, PWS1-135M-EX-R		
Auftrags-Inhalt: Order content:	AK certificate		
Prüfgrundlage: Test specification:	EN 50549-1:2019+A1:2023 EN 50549-10: 2022		
Wareneingangsdatum: Date of sample receipt:	2025-05-30		
Prüfmuster-Nr.: Test sample no.:	SH2C662356242505060001		
Prüfzeitraum: Testing period:	2025-05-30 – 2025-07-30		
Ort der Prüfung: Place of testing:	Shenzhen Sinexcel Electric Co., Ltd. Building 6, Zone 2, Nanshan Baiwangxin High-Tech Industry Park, No.1002 Songbai Road, Nanshan District, Shenzhen 518055 GUANGDONG P.R. CHINA		
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.		
Prüfergebnis*: Test result*:	Pass		
geprüft von: created by:	Yancy Ji Yancy Ji		
Datum: Date:	2025-09-17 2025-09-17		
genehmigt von: authorized by:	Lucas Zheng Lucas Zheng		
Stellung / Position:	Sachverständige(r)/Expert		
Sonstiges / Other:	This report does not evidence compliance of the provided sample with the relevant standards but only with the referred tests. This test report documents the findings of examination conducted on the delivered product mentioned above only. This report does not entitle the applicant to carry any safety mark on this or similar products. Further for sales or other application purposes of the tested product, any reference to TÜV Rheinland or a test through TÜV Rheinland is only permissible with prior written consent of TÜV Rheinland.		
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legend:	P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N.A. = nicht anwendbar N.T. = nicht getestet		
* Legend:	P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N.A. = not applicable N.T. = not tested		
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.			
TÜV Rheinland (Shenzhen) Co., Ltd., 1-5F, Block 5, No. 1100, Huanli Road, Yungu Community, Xinhui Street, Guangming District, Shenzhen, Guangdong Province Mail: service-go@tuv.com - Web: www.tuv.com			



EN 50549-2 Certificate-PCS

Prüfbericht - Produkte Test Report - Products		 TÜVRheinland®	
Prüfbericht-Nr.: Test report no.:	CN25NMKP 001	Auftrags-Nr.: Order no.:	168556830 Seite 1 von 27 Page 1 of 27
Kunden-Referenz-Nr.: Client reference no.:	2064060	Auftragsdatum: Order date:	2025-05-29
Auftraggeber: Client:	Shenzhen Sinexcel Electric Co., Ltd. Building 6, Zone 2, Nanshan Baiwangxin High-tech Industry Park, No.1002 Songbai Road, Nanshan District, Shenzhen 518055 GUANGDONG P.R. CHINA		
Prüfgegenstand: Test item:	Power Conversion System		
Bezeichnung / Typ-Nr.: Identification / Type no.:	PWS1-125M-EX, PWS1-125M-EX-R, PWS1-135M-EX, PWS1-135M-EX-R		
Auftrags-Inhalt: Order content:	AK certificate		
Prüfgrundlage: Test specification:	EN 50549-2:2019+A1:2023 EN 50549-10: 2022		
Wareneingangsdatum: Date of sample receipt:	2025-05-30		
Prüfmuster-Nr.: Test sample no.:	SH2C652356242505060001		
Prüfzeitraum: Testing period:	2025-05-30 – 2025-07-30		
Ort der Prüfung: Place of testing:	Shenzhen Sinexcel Electric Co., Ltd. Building 6, Zone 2, Nanshan Baiwangxin High-tech Industry Park, No.1002 Songbai Road, Nanshan District, Shenzhen 518055 GUANGDONG P.R. CHINA		
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.		
Prüfergebnis*: Test result*:	Pass		
geprüft von: created by:	Yancy Ji Yancy Ji		
Datum: Date:	2025-09-17 2025-09-17		
Stellung / Position:	Sachverständige(r)/Expert		
genehmigt von: authorized by:	Lucas Zheng Lucas Zheng		
Ausstellungsdatum: Issue date:	2025-09-17 2025-09-17		
Stellung / Position:	Sachverständige(r)/Expert		
Sonstiges / Other:	This report does not evidence compliance of the provided sample with the relevant standards but only with the referred tests. This test report documents the findings of examination conducted on the delivered product mentioned above only. This report does not entitle the applicant to carry any safety mark on this or similar products. Further for sales or other application purposes of the tested product, any reference to TÜV Rheinland or a test through TÜV Rheinland is only permissible with prior written consent of TÜV Rheinland.		
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legend:	P(pass) = entspricht o.g. Prüfgrundlage(n) F(fail) = entspricht nicht o.g. Prüfgrundlage(n) NA = nicht anwendbar NT = nicht getestet		
* Legend:	P(pass) = passed a.m. test specification(s) F(fail) = failed a.m. test specification(s) NA = not applicable NT = not tested		
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.			
TÜV Rheinland (Shenzhen) Co., Ltd., 1-5F, Block 5, No. 1100, Huanli Road, Yungu Community, Xinhui Street, Guangming District, Shenzhen, Guangdong Province Mail: service-go@tuv.com - Web: www.tuv.com			

IEC 61000 Test Report-PCS

Test Verification of Conformity

Verification Number: 250626017GZU-VOC001

On the basis of the tests undertaken, the sample(s) of the below product has been tested by an accredited 3rd party laboratory in accordance to the referenced specification(s)/standard(s) at the time the tests were carried out. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

This document can be used in support of a claim in meeting relevant 2014/30/EU legislation and mandatory Conformity Marking. And in accordance with EU law, the claim is the sole obligation of the Manufacturer / Importer.

Applicant Name & Address:	Shenzhen Sinexcel Electric Co., Ltd. Building 6, BaiWangXin High-tech Industrial Park, NANSHAN DISTRICT Shenzhen - CHINA
Product Description:	Bi-directional Storage Inverter
Models/Type References:	PWS1-125M-EX, PWS1-125M-EX-R, PWS1-135M-EX, PWS1-135M-EX-R, PWS1-135M-MG, PWS1-135M-MG-R
Ratings & Principle Characteristics:	See Appendix
Brand Names:	SINEXCEL
Specification(s)/Standards:	EN IEC 61000-6-4:2019 EN IEC 61000-6-2:2019
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China
Date of Tests:	26 August 2025 to 31 August 2025
Test Report Number(s):	250626017GZU-001
Additional information in Appendix:	

Signature

Name: Sky Zhu
Position: Supervisor
Date: 22 October 2025

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IEC 62109-1 Test Report-PCS (Page1)



TL-395

Test Report issued under the responsibility of:



TEST REPORT IEC 62109-1 Safety of Power Converter for use in Photovoltaic Power Systems Part 1: General requirements	
Report Number. :	250626018GZU-001
Date of issue..... :	16 September 2025
Total number of pages	129 pages
Name of Testing Laboratory preparing the Report	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China
Applicant's name	Shenzhen Sinexcel Electric Co., Ltd.
Address..... :	Building 6, BaiWangXin High-tech, Industrial Park, Nanshan District, SHENZHEN Guangdong 518000, CHINA
Test specification:	
Standard	IEC/EN 62109-1:2010 (First Edition)
Test procedure..... :	Type approval
Non-standard test method	N/A
Test Report Form No..... :	IEC62109_1B
Test Report Form(s) Originator.... :	VDE Testing and Certification Institute
Master TRF	Dated 2016-04
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IEC 62109-1 Test Report-PCS (Page2)**intertek**

Total Quality. Assured.

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Report No. 250626018GZU-001

Test item description..... :	Bi-directional Storage Inverter
Trade Mark..... :	SINEXCEL
Manufacturer..... :	Same as applicant
Model/Type reference..... :	PWS1-125M-EX, PWS1-125M-EX-R, PWS1-135M-EX, PWS1-135M-EX-R, PWS1-135M-MG, PWS1-135M-MG-R
Ratings..... :	Nominal AC voltage, Frequency: 230/400Va.c., 50Hz Operating ambient temperature range: -40°C ~60°C (≥55°C Derating) (details see model list on page 13)

蔡玉洁(ZTT-NB-7979)
2026/01/23蔡玉洁(ZTT-NB-7
2026/01/23

IEC 62109-2 Test Report-PCS (Page1)



TL-395

Test Report issued under the responsibility of:



Total Quality. Assured.

TEST REPORT IEC 62109-2 Safety of Power Converter for use in Photovoltaic Power Systems Part 2: Particular requirements for inverters	
Report Number.....:	250626018GZU-002
Date of issue.....:	16 September 2025
Total number of pages.....:	33 pages
Name of Testing Laboratory preparing the Report.....:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China
Applicant's name.....:	Shenzhen Sinexcel Electric Co., Ltd.
Address.....:	Building 6, BaiWangXin High-tech, Industrial Park, Nanshan District, SHENZHEN Guangdong 518000, CHINA
Test specification:	
Standard.....:	IEC/EN 62109-2:2011
Test procedure.....:	Type approval
Non-standard test method.....:	N/A
Test Report Form No.....:	IEC62109_2B
Test Report Form(s) Originator.....:	LCIE - Laboratoire Central des Industries Electriques
Master TRF.....:	Dated 2016-11
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IEC 62109-2 Test Report-PCS (Page2)**intertek**

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Report No. 250626018GZU-002

Test item description	Bi-directional Storage Inverter
Trade Mark	SINEXCEL
Manufacturer	Same as applicant
Model/Type reference	PWS1-125M-EX, PWS1-125M-EX-R, PWS1-135M-EX, PWS1-135M-EX-R, PWS1-135M-MG, PWS1-135M-MG-R
Ratings	Nominal AC voltage, Frequency: 230/400Va.c., 50Hz Operating ambient temperature range: -40°C ~60°C (≥55°C Derating) (details see model list on page 13)

蔡玉洁(ZTT-NB-7979)
2026/01/23蔡玉洁(ZTT-NB-7979)
2026/01/23

IEC 62477-1 Test Report-PCS (Page1)


TL-395

Test Report issued under the responsibility of:



Total Quality. Assured.

TEST REPORT IEC 62477-1 Safety requirements for power electronic converter systems and equipment Part 1: General	
Report Reference No.	250626018GZU-003
Date of issue	16 September 2025
Total number of pages	174 pages
Name of Testing Laboratory preparing the Report	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China
Applicant's name	Shenzhen Sinexcel Electric Co., Ltd.
Address	Building 6, BaiWangXin High-tech, Industrial Park, Nanshan District, SHENZHEN Guangdong 518000, CHINA
TRF template used	IECEE OD-2020-F1:2023, Ed.1.6
Standard	IEC 62477-1:2022 EN IEC 62477-1:2023
Test procedure	Type approval
Non-standard test method	N/A
Test Report Form No.	IEC62477_1F
Test Report Form(s) Originator	VDE Prüf- und Zertifizierungsinstitut GmbH
Master TRF	Dated 2024-11-01
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IEC 62477-1 Test Report-PCS (Page2)**intertek**

Total Quality. Assured.

Page 2 of 174

Report No. 250626018GZU-003

Test item description..... :	Bi-directional Storage Inverter
Trademark(s)..... :	SINEXCEL
Manufacturer..... :	Same as applicant
Model/Type reference..... :	PWS1-125M-EX, PWS1-125M-EX-R, PWS1-135M-EX, PWS1-135M-EX-R, PWS1-135M-MG, PWS1-135M-MG-R
Ratings..... :	Nominal AC voltage, Frequency: 230/400Va.c., 50Hz Operating ambient temperature range: -40°C ~60°C (≥55°C Derating) (details see model list on page 13)

蔡玉洁(ZTT-NB-7979)
2026/01/23蔡玉洁(ZTT-NB-7979)
2026/01/23

EMC Test Report-ENERGRID M261

EMC Test Report

Applicant: ZhongTian Energy Storage Technology Co., Ltd.

Product: Energy Storage System

Model: ENERGRID M261



**Add value.
Inspire trust.**

In accordance with EN IEC 61000-6-2,
EN IEC 61000-6-4

Prepared for: ZhongTian Energy Storage Technology Co., Ltd.
No. 36 Hongxing Road intersection Development Area 226015 Nantong, Jiangsu
PEOPLE'S REPUBLIC OF CHINA.

COMMERCIAL-IN-CONFIDENCE

Report Number: 4840825376400

RESPONSIBLE FOR	NAME	SIGNATURE	DATE
Approved By	Dingpeng Xia		2026.01.20
Prepared By	Jin Cai		2026.01.20

Signatures in this approval box have checked this document in line with the requirements of TUV SUD Product Service document control rules.

EXECUTIVE SUMMARY

A sample of this product was tested and found to be compliant with EN IEC 61000-6-2:2019,
EN IEC 61000-6-4:2019.

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TUV SUD Certification and Testing
(China) Co., Ltd.

Floor 1-4, Building B, No.37, Tuanjie
Road(Middle), Nishan Economic and
Technological Development Zone,
Wuxi, Jiangsu, China

Phone: +86 510 8820 3737
Fax: +86 510 8820 3636

ID Number: EMC_WUX_F_25.43E
Revision: 04
Effective: 2023-07-11

UN38.3 Test Report-Pack (Page1)

		中国认可 国际互认 检测 CNAS L13281	Page 1 of 16
Report No.: KD2511S5278B01			
UN38.3 Test Report			
Samples Name	Li-ion Battery Pack for Power Storage		
样品名称	电力储能用锂离子电池模块		
Model	ZTT52S1P		
型号			
Applicant	Zhongtian Energy Storage Technology Co., Ltd.		
委托单位	中天储能科技有限公司		
 广东科正技术服务有限公司 KSIGN(Guangdong) Testing Co., Ltd. 			
TRF No. UN38.3 Rev.B-R4 West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiuju Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China 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 Tel: +(86) 0755-2955 2678 Fax: +(86) 0755-2955 2397 E-mail: info@gdksign.cn http://www.gdksign.com			

UN38.3 Test Report-Pack (Page2)

Page 2 of 16 Report No.: KD2511S5278B01

General Information 基本资料			
Sample Name 样品名称	Li-ion Battery Pack for Power Storage 电力储能用锂离子电池模块	Model Name 型号	ZTT 52S1P
Rated 额定	166.4V, 314Ah	Watt-hour 瓦时	52.24kWh
Dimension 尺寸(W*D*H)	790.0*1145.0*246.0(mm)	Weight 重量	Appr.: 330.0kg
Sample Status 样品状态	Good 良好	Sample Type 样品类型	Li-ion Battery (52S1P) 锂离子电池 (52串1并)
Applicant 委托单位	Zhongtian Energy Storage Technology Co., Ltd. 中天储能科技有限公司		
Applicant Address 委托单位地址	No. 36, East Hongxing Road, NETDA, Nantong, Jiangsu, China 中国江苏省南通市经济技术开发区宏兴东路 36 号		
Factory 生产工厂	Zhongtian Energy Storage Technology Co., Ltd. 中天储能科技有限公司		
Factory Address 生产工厂地址	No. 36, East Hongxing Road, NETDA, Nantong, Jiangsu, China 中国江苏省南通市经济技术开发区宏兴东路 36 号		
Factory Telephone 生产工厂电话	+86-513-68121607	Factory Email 生产工厂邮箱	gongtb@ztt.cn
Factory Web 生产工厂网址	www.zttgroup.com		
Test Method & Criterion 检验方法及判定标准	UN "Manual of Tests and Criteria" ST/SG/AC.10/11/Rev.8/Subsection 38.3 联合国《试验和标准手册》(第八版) 38.3 节		
Testing Laboratory 检测单位	KSIGN(Guangdong) Testing Co., Ltd. 广东科正技术服务有限公司 West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujia Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China 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		
Sample Receiving Date 收样接收日期	2025年 07 月 29 日	Test Date 测试日期	2025年 07 月 30 日至 2025年 08 月 18 日
Conclusion 测试结论	The samples has passed the test items of UN "Manual of Tests and Criteria" ST/SG/AC.10/11/Rev.8/Subsection 38.3. 受检样品通过联合国《试验和标准手册》(第八版) 38.3 节各项检测, 检测结果合格。 Seal/签章:  Date of issue/签发日期: 2025年 11 月 26 日		
主检/Tested By: 陈格/Chance Chen 测试工程师 Test Engineer	审核/Checker: 姚少波/Bob Yao 项目工程师 Project Engineer	批准/Approver: 杨龙/Sam Yang 技术负责人 Technical Director	

TRF No. UN38.3 Rev.8-R4

Material Safety Data Sheet(MSDS) Test Report-Pack



Report No.: PTC25122613802B-LD01

Effective Date: 2026.01.01

Page 1 of 14

化学品安全技术说明书 Material Safety Data Sheet (MSDS)

委托单位 Consignor	中天储能科技有限公司 Zhongtian Energy Storage Technology Co., Ltd. 中国江苏省南通市经济技术开发区宏兴东路36号 No. 36, East Hongxing Road, NETDA, Nantong, Jiangsu, China
产品名称 Name of Product	电力储能用锂离子电池模块 Li-ion Battery Pack for Power Storage
型号 / 规格 Model / Type Reference	ZTT52S1P
标称电压 Nominal Voltage	166.4V
额定容量 / 能量 Rated Capacity / Energy	314Ah (52.24kWh)
版本号 Version Number	V1.0
收样日期: Sample Received Date:	2025.12.13
完成日期: Completed Date:	2025.12.29

Prepared by: Mickey Zhu

Mickey Zhu

Checked by: Carly Hu

Carly Hu

Approved by: Starry Li

Starry Li



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Precise Testing & Certification (Guangdong) Co., Ltd.
 广东省东莞市东城街道同新路6号1栋
 Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.
 Tel: 86-769-38808222 Fax: 86-769-38826111 http://www.ptc-testing.com



Hazard Classification Report-Pack (Page1)




中国合格评定
国家认可
标志
RESPECTION
CNAS 16020



中国民用航空总局第二研究所
The Second Research Institute of CAAC

电话: 028-64458155
 传真: 028-64458195
 邮编: 610200
 地址: 四川省成都市双流区西航港经济开发区腾飞路 765 号

检测鉴定报告
正本

编号: DGT2395DW2013211K
 日期: 2025-11-27
 第 1 页 共 2 页

危险特性分类鉴别报告

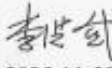
样品名称	中文名称	电力储能用锂离子电池模块 ZTT52S1P 166.4V 314Ah 52.24kWh		
	英文名称	Li-ion Battery Pack for Power Storage ZTT52S1P 166.4V 314Ah 52.24kWh		
委托单位	中天储能科技有限公司			
生产单位	中天储能科技有限公司			
分析/试验要求	危险特性分类鉴别	样品数量/重量	1 个/约 330.0kg	
鉴定依据	联合国《关于危险货物运输的建议书 规章范本》(第二十三修订版) 联合国《全球化学品统一分类和标签制度》(第十修订版) 《危险化学品目录》(2015 版)			
样品标识	ZTT52S1P 166.4V 314Ah 52.24kWh			

一、样品信息

1.组分(企业申报): 磷酸铁锂: 20-40%, 六氟磷酸锂: 10-20%, 铝: 10-20%, 石墨: 10-20%, 铜: 7-13%, 聚氯乙烯: 1-5%。
 2.样品性状: 黑色近长方体

二、鉴定结论

1.正式运输名称: 锂离子电池组
 技术名称(如有): /
 2.联合国编号: UN 3480
 3.危险货物类别: 9
 4.建议包装类别: 包装必须符合 II 类包装性能水平
 5.GHS 分类: /
 6.是否属于《危险化学品目录》(2015 版)列明的危险品: 否
 是否符合《危险化学品目录》(2015 版)中关于“危险化学品的定义和确定原则”: 否

授权人签字 
 签发日期 2025-11-27


 有效期至 2026-11-26

1. 除非特殊说明, 本报告仅对样品负责。
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Hazard Classification Report-Pack (Page2)

 中国民用航空总局第二研究所 The Second Research Institute of CAAC 电话: 028-64458155 检测鉴定报告 编号: DGT2395DW2013211K 传真: 028-64458195 正本 日期: 2025-11-27 邮编: 610200 地址: 四川省成都市双流区西航港经济开发区腾飞路 765 号 第 2 页 共 2 页	
二、鉴定结论 (续)	
运输标签/标记	
样品照片	  Mfr.: Zhongtian Energy Storage Technology Co., Ltd. Product Name: Li-ion Battery Pack for Power Storage Product Model: ZTT5251P Rated Capacity: 314Ah Nominal Voltage: DC 146.4V Rated Energy: 53.24kWh Weight: 330±5kg Rated Power: 26.12kW Dimensions (W*D*H): 790±3*1145±5*246±3mm Limited Charging Voltage: DC 187.2V End of Discharge Voltage: DC 135.2V Product Code: E7505325G31X01C01P01
	
1. 除非特殊说明, 本报告仅对样品负责。 2. 未经本机构许可, 本报告不得部分复制。	

Hazard Classification and Identification Report for Transport-Pack (Page1)

		中国认可 国际互认 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:	电力储能用锂离子电池模块 ZTT52S1P 166.4V 314Ah 52.24kWh		
Goods Name	Li-ion Battery Pack for Power Storage ZTT52S1P 166.4V 314Ah 52.24kWh		
委托单位:	中天储能科技有限公司		
Client	Zhongtian Energy Storage Technology Co., Ltd.		
报告编号:	DGT2216SL8001010W		
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			
2025-12-29 第 1 次打印			

Hazard Classification and Identification Report for Transport-Pack (Page2)

报告编号(Report No.): DGT2216SL8001010W

Page 1 of 3 Pages

运输危险性鉴定报告

Hazard Classification and Identification Report for Transport

鉴定目的 Inspection Purpose	是否属于海运危险品 Dangerous goods or not restricted		
样品编号 Sample No.	DGT2216SL8001010	接样日期 Receiving Date	2025-12-29
鉴定依据 Criteria	国际海事组织《国际海运危险品规则》42-24 2024 版 IMO International Maritime Dangerous Goods(IMDG) Code 42-24 2024 Edition		
样品名称 Sample Name	电力储能用锂离子电池模块 ZTT52S1P 166.4V 314Ah 52.24kWh Li-ion Battery Pack for Power Storage ZTT52S1P 166.4V 314Ah 52.24kWh		
委托单位 Client	中天储能科技有限公司 Zhongtian Energy Storage Technology Co., Ltd.		
电池生产单位 Manufacturer	中天储能科技有限公司 Zhongtian Energy Storage Technology Co., Ltd.		
物品信息 Sample Information	电池型号/Model: ZTT52S1P 166.4V 314Ah 52.24kWh 电池类型/Type: 锂离子电池/Lithium ion battery 包装件内含 1 个本报告所述锂电池。 The package contains 1 Lithium battery(ies) listed in this report.		
鉴定结论 Conclusion	1.危险性识别 (Hazards Identification) 危险类别/Class: 9 UN Number: UN 3480 Proper Shipping Name: Lithium ion batteries 2.按照 IMO IMDG Code 办理的类型 (Suggestion according to IMO IMDG Code) 该样品满足包装说明 P903 的要求。 The sample meets the requirements of Packing Instruction P903. 3.包装要求(Packing requirements) 按包装说明 P903 要求办理。 The sample is packaged according to the Packing Instruction P903.  鉴定单位盖章(Stamp) 签发日期(Issued Date):2025-12-29		
备注 Comment	包装必须符合 II 级包装性能标准。		

检验:

(Inspected by)

皮广达

审核:

(Checked by)

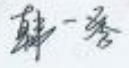
李世武

批准:

(Approved by)

韩一孝

Hazard Classification and Identification Report for Transport-Pack (Page3)

测试摘要编号(Test Summary No.): DGT2216SL8001010W-TS		Page 1 of 1 Pages	
附件:			
测试摘要 TEST SUMMARY			
单位信息 Company information			
委托单位 Consignor	中天储能科技有限公司/Zhongtian Energy Storage Technology Co., Ltd.		
电池生产单位 Manufacturer	中天储能科技有限公司/Zhongtian Energy Storage Technology Co., Ltd. 中国江苏省南通市经济技术开发区宏兴东路 36 号/No. 36, East Hongxing Road, NETDA, Nantong, Jiangsu, China 0755-29852678 info@gdkesign.cn http: www.gdkesign.com		
测试单位 Test lab	广东科正技术服务有限公司/KSIGN(Guangdong) Testing Co., Ltd. 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 0755-29852678 info@gdkesign.cn http: www.gdkesign.com		
电池信息 Battery information			
名称 Name	/	组成电芯数量 Cell Number	/
电池类型 Type	锂离子电池/Lithium ion battery	型号 Model	ZTT52S1P
额定能量 Watt-hour rating	52.24kWh	电池质量 Mass	约 330.0kg
物理形状说明 Physical description	长方体/Cuboid		
测试信息 Test information			
测试报告编号 Test Report ID	KD2511S5278B01	测试报告日期 Date of test report	2025-11-26
测试标准 Test standard	联合国《试验与标准手册》第 8 修订版第 38.3 节。 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	通过/Pass	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)	不适用 N/A
UN38.3.3.2(d)	不适用 N/A	UN38.3.3.2(e)	不适用 N/A
结论 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。 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	/		
签名 Signature		签发日期 Issued date	2025-12-29
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
(1)

UN38.3 Test Report-ENERGRID M261 (Page1)

		中国认可 国际互认 检测 TESTING CNAS L13261
		Page 1 of 16
Report No.: KD2507S3672B01		
UN38.3 Test Report		
Samples Name	Rechargeable Li-ion Battery System	
样品名称	可充电锂离子电池系统	
Model	ENERGRID M261	
型号	ENERGRID M261	
Applicant	Zhongtian Energy Storage Technology Co., Ltd.	
委托单位	中天储能科技有限公司	
 广东科正技术服务有限公司 KSIGN(Guangdong) Testing Co., Ltd. 		
TRF No. UN38.3 Rev.B-R4 West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jizhu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China 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新厂房A区C栋一层西侧, 518104 Tel: +(86) 0755-2985 2678 Fax: +(86) 0755-2985 2397 E-mail: info@gdksign.cn http://www.gdksign.com		

UN38.3 Test Report-ENERGRID M261 (Page2)

Page 2 of 16 Report No.: KD2507S3672B01

General Information 基本资料			
Sample Name 样品名称	Rechargeable Li-ion Battery System 可充电锂离子电池系统	Model Name 型号	ENERGRID M261
Applicant 委托单位	Zhongtian Energy Storage Technology Co., Ltd. 中天储能科技有限公司		
Applicant Address 委托单位地址	No. 36, East Hongxing Road, NETDA, Nantong, Jiangsu, China 中国江苏省南通市经济技术开发区宏兴东路 36 号		
Factory 生产工厂	Zhongtian Energy Storage Technology Co., Ltd. 中天储能科技有限公司		
Factory Address 生产工厂地址	No. 36, East Hongxing Road, NETDA, Nantong, Jiangsu, China 中国江苏省南通市经济技术开发区宏兴东路 36 号		
Factory Telephone 生产工厂电话	+86-513-68121607	Factory Email 生产工厂邮箱	gongtb@ztt.cn
Factory Web 生产工厂网址	www.zttgroup.com		
Test Method & Criterion 检测方法判定标准	UN "Manual of Tests and Criteria" ST/SG/AC.10/11/Rev.8/Subsection 38.3 联合国《试验和标准手册》(第八版) 38.3 节		
Testing Laboratory 检测单位	KSIGN(Guangdong) Testing Co., Ltd. 广东科正技术服务有限公司 West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiliu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China 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		
Sample Receiving Date 收样接收日期	2025 年 07 月 29 日	Test Date 测试日期	2025 年 07 月 30 日至 2025 年 08 月 18 日
Conclusion 测试结论	The samples has passed the test items of UN "Manual of Tests and Criteria" ST/SG/AC.10/11/Rev.8/Subsection 38.3. 受检样品通过联合国《试验和标准手册》(第八版) 38.3 节各项检测, 检测结果合格。 Seal/盖章:  Date of issue/签发日期: 2025 年 08 月 21 日		
Remark 备注	The assembled battery (Rechargeable Li-ion Battery System) was a rated watt-hour of over 6200Wh, each cluster consists of 5 battery modules. During transportation, each module is disconnected. This test is UN38.3 for module and cell. 该集成电池组(可充电锂离子电池系统)的额定瓦特-小时数超过 6200Wh, 主要由 5 个电池模组组成, 运输过程中每个模组均断开连接, 本次试验针对模组、电芯进行 UN38.3 测试。		
主检/Tested By: 江俊汉/Connor Jiang 测试工程师 Test Engineer	江俊汉 Connor Jiang	审核/Checker: 林晓聪/One Lin 项目工程师 Project Engineer	杨龙/Sam Yang 技术负责人 Technical Director

TRF No. UN38.3 Rev.8-R4

UN38.3 Test Report-ENERGRID M261 (Page3)

测试摘要编号(Test Summary No.): DGT2365DL404319D-TS

Page 2 of 2 Pages

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 small battery assemblies	不适用 N/A	/
38.3.3(g)	大型集成电池 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	/

结论/Result:

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。

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:

该集成电池组的额定瓦特-小时数超过 6200Wh, 主要由 5 个电池模组组成, 运输过程中每个模组均断开连接, 本次试验针对模组进行 UN38.3 测试。

The assembled battery was a rated watt-hour of over 6200Wh, each cluster consists of 5 battery modules. During transportation, each module is disconnected This test is UN38.3 for module.

*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 Transport Information		
件数 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。 签字人: 盖章:
运单号 Waybill No.		
目的港 Destination		

——以下无内容——

Material Safety Data Sheet(MSDS) Test Report-ENERGRID M261



Report No.: PTC25122613801B-LD01

Effective Date: 2026.01.01

Page 1 of 14

化学品安全技术说明书

Material Safety Data Sheet (MSDS)

委托单位 Consignor	中天储能科技有限公司 Zhongtian Energy Storage Technology Co., Ltd. 中国江苏省南通市经济技术开发区宏兴东路36号 No. 36, East Hongxing Road, NETDA, Nantong, Jiangsu, China
产品名称 Name of Product	可充电锂离子电池系统 Rechargeable Li-ion Battery System
型号 / 规格 Model / Type Reference	ENERGRID M261
标称电压 Nominal Voltage	832V
额定容量 / 能量 Rated Capacity / Energy	314Ah (261kWh)
版本号 Version Number	V1.0
收样日期: Sample Received Date:	2025.12.13
完成日期: Completed Date:	2025.12.29

Prepared by: Mickey Zhu

Mickey Zhu

Checked by: Curly Hu

Curly Hu

Approved by: Starry Li

Starry Li



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Precise Testing & Certification (Guangdong) Co., Ltd.
 广东省东莞市东城街道同新路6号1栋
 Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.
 Tel: 86-769-38808222 Fax: 86-769-38826111 http://www.ptc-testing.com



Hazard Classification Report-ENERGRID M261 (Page1)



中国合格评定
国家认可
CNAS 18009



中国民用航空总局第二研究所
The Second Research Institute of CAAC

电话: 028-64458155
 传真: 028-64458195
 邮编: 610200
 地址: 四川省成都市双流区西航港经济开发区腾飞路 765 号

检测鉴定报告
正本

编号: DGT2365DW2010253Y
 日期: 2025-08-22
 第 1 页 共 2 页

危险特性分类鉴别报告

样品名称	中文名称	可充电锂离子电池系统 ENERGRID M261 832V 314Ah 261kWh		
	英文名称	Rechargeable Li-ion Battery System ENERGRID M261 832V 314Ah 261kWh		
委托单位	中天储能科技有限公司			
生产单位	中天储能科技有限公司			
分析/试验要求	危险特性分类鉴别	样品数量/重量	1 个/2600kg	
鉴定依据	联合国《关于危险货物运输的建议书 规章范本》(第二十三修订版) 联合国《全球化学品统一分类和标签制度》(第十修订版) 《危险化学品目录》(2015 版)			
样品标识	ENERGRID M261 832V 314Ah 261kWh			

一、样品信息

1.组分(企业申报): 石墨: 10-30%, 磷酸铁锂: 24%, 六氟磷酸锂: 23%, 铜: 7-13%, 铝: 5-10%, 镍: 1-5%。
 2.样品性状: 白色近长方体

二、鉴定结论

1.正式运输名称: 锂离子电池组
 技术名称(如有): /
 2.联合国编号: UN 3480
 3.危险货物类别: 9
 4.建议包装类别: 应符合包装指南 P903 (2) 的要求
 5.GHS 分类: /
 6.是否属于《危险化学品目录》(2015 版)列明的危险品: 否
 是否符合《危险化学品目录》(2015 版)中关于“危险化学品的定义和确定原则”: 否

授权人签字 
 签发日期 2025-08-22

印章 
 有效期至 2026-08-21
 检验专用章

1. 除非特殊说明, 本报告仅对样品负责。
 2. 未经本机构许可, 本报告不得部分复制。

Hazard Classification Report-ENERGRID M261 (Page2)



中国合格评定
检验
CNAS-18009

中国民用航空总局第二研究所
The Second Research Institute of CAAC

电话: 028-64458155
传真: 028-64458195
邮编: 610200
地址: 四川省成都市双流区西航港经济开发区腾飞路 765 号

检测鉴定报告

正本

编号: DGT2365DW2010253Y
日期: 2025-08-22
第 2 页 共 2 页

二、鉴定结论 (续)

运输标签/标记	
样品照片	   Zhongtian Energy Storage Technology Co., Ltd. www.zttgroup.com Product Name: Rechargeable Li-ion Battery System Product Model: ENERGRID M261 IP Rating: IP54 Rated Capacity: 314kWh Available SOC Range: 5%...95% Auxiliary Input Voltage: 3NPE AC400V Auxiliary Frequency: 50/60Hz Operating Voltage Range: DC 676V...838V Operating Ambient Temperature: -20℃...55℃ Dimensions(W*D*H): (1000x511x350x45)(2350x45) mm Rated Energy: 261kWh Weight: Approx. 2800kg Max. Nominal Power: 130.5kW Auxiliary Input Current: 206A Max. Protective class: I Manufacturing Number: 6290410001 Manufacturing Date: Aug. 1, 2025  Address: No. 765 Tenglifeng Road, NETCA, Nantong, Jiangsu, P.R. China (备注: 运输过程中储能系统内部的电池模组之间均不连接, 不导通。本报告结论针对锂电池部分, 不包括灭火和制冷系统) 以下无内容 

1. 除非特殊说明, 本报告仅对样品负责。

2. 未经本机构许可, 本报告不得部分复制。

Hazard Classification and Identification Report for Transport-ENERGRID M261**(Page1)**



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 ENERGRID M261 832V 314Ah 261kWh
Goods Name	Rechargeable Li-ion Battery System ENERGRID M261 832V 314Ah 261kWh
委托单位:	中天储能科技有限公司
Client	Zhongtian Energy Storage Technology Co., Ltd.
报告编号:	DGT2216SL2001029T
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



检验专用章
(1)

2025-12-29 第1次打印

Hazard Classification and Identification Report for Transport-ENERGRID M261

(Page2)

报告编号(Report No.): DGT2216SL2001029T
Page 1 of 3 Pages

运输危险性鉴定报告

Hazard Classification and Identification Report for Transport

鉴定目的 Inspection Purpose	是否属于海运危险品 Dangerous goods or not restricted		
样品编号 Sample No.	DGT2216SL2001029	接样日期 Receiving Date	2025-12-29
鉴定依据 Criteria	国际海事组织《国际海运危险品规则》42-24 2024 版 IMO International Maritime Dangerous Goods(IMDG) Code 42-24 2024 Edition		
样品名称 Sample Name	可充电锂离子电池系统 ENERGRID M261 832V 314Ah 261kWh Rechargeable Li-ion Battery System ENERGRID M261 832V 314Ah 261kWh		
委托单位 Client	中天储能科技有限公司 Zhongtian Energy Storage Technology Co., Ltd.		
电池生产单位 Manufacturer	中天储能科技有限公司 Zhongtian Energy Storage Technology Co., Ltd.		
物品信息 Sample Information	电池型号/Model: ENERGRID M261 832V 314Ah 261kWh 电池类型/Type: 锂离子电池/Lithium ion battery 包装件内含 1 个本报告所述锂电池。 The package contains 1 Lithium battery(ies) listed in this report.		
鉴定结论 Conclusion	1.危险性识别 (Hazards Identification) 危险类别/Class: 9 UN Number: UN 3480 Proper Shipping Name: Lithium ion batteries 2.按照 IMO IMDG Code 办理的类型 (Suggestion according to IMO IMDG Code) 该样品满足包装说明 P903 (2) 的要求。 The sample meets the requirements of Packing Instruction P903 (2). 3.包装要求(Packing requirements) 按包装说明 P903 (2) 要求办理。 The sample is packaged according to the Packing Instruction P903 (2). 鉴定单位盖章(Stamp) 签发日期(Issued Date):2025-12-29		
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, 由 5 个锂离子电池模组 (型号规格: ZTT52S1P 166.4V 314Ah 52.24kWh) 组成, 运输过程中每个模组均断开连接。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) 边广达

审核:
(Checked by) 杨洲源

批准:
(Approved by) 李世武

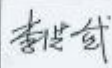
Hazard Classification and Identification Report for Transport-ENERGRID M261

(Page3)

测试摘要编号(Test Summary No.): DGT2216SL2001029T-TS Page 1 of 1 Pages

附件:

**测试摘要
TEST SUMMARY**

单位信息 Company information			
委托单位 Consignor	中天储能科技有限公司/Zhongtian Energy Storage Technology Co., Ltd.		
电池生产单位 Manufacturer	中天储能科技有限公司/Zhongtian Energy Storage Technology Co., Ltd. 中国江苏省南通市经济技术开发区宏兴东路 36 号/No. 36, East Hongxing Road, NETDA, Nantong, Jiangsu, China +86-513-68121607 gongtb@ztt.cn www.zttgroup.com		
测试单位 Test lab	广东科正技术服务有限公司 KSIGN(Guangdong) Testing Co., Ltd. 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 0755-29852678 info@gdkesign.cn http: www.gdkesign.com		
电池信息 Battery information			
名称 Name	/	组成电芯数量 Cell Number	/
电池类型 Type	锂离子电池 Lithium ion Battery	型号 Model	ENERGRID M261
额定能量 Watt-hour rating	261kWh	电池质量 Mass	约 2600kg
物理形状说明 Physical description	长方体/Cuboid		
测试信息 Test information			
测试报告编号 Test Report ID	KD2507S3672B01	测试报告日期 Date of test report	2025-08-21
测试标准 Test standard	UN "Manual of Tests and Criteria" ST/SG/AC.10/11/Rev.8/Subsection 38.3 联合国《试验和标准手册》(第八版)38.3 节		
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	通过/Pass	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)	不适用 N/A
UN38.3.3.2(d)	不适用 N/A	UN38.3.3.2(e)	不适用 N/A
结论 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。 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	可充电锂离子电池系统内部的电池模组之间相互不连接、不导通, 本次测试仅测试到电 池模组。 The modules inside the Rechargeable Li-ion Battery System are not connected to each other, and are not conductive. This test only tests the module.		
签名 Signature		签发日期 Issued date	2025-12-29
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.

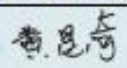
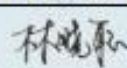
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检验专用章 (1)

Cabinet Strength Test Report-ENERGRID M261 (Page1)

		中国认可 国际互认 检测 TESTING CNAS L13261	Page 1 of 12 Report No.: KD2512S6908B
检测报告 Test Report			
报告编号:	KD2512S6908B		
Report No.			
样品名称:	可充电锂离子电池系统		
Samples Name	Rechargeable Li-ion Battery System		
样品型号:	ENERGRID M261		
Sample Model			
委托单位:	中天储能科技有限公司		
Applicant	Zhongtian Energy Storage Technology Co., Ltd.		
检测类别:	委托检测		
Testing Category	Commissioned Testing		
	广东科正技术服务有限公司 K SIGN(Guangdong) Testing Co., Ltd. 		

Cabinet Strength Test Report-ENERGRID M261 (Page2)

Report No.: KD2512S6908B

检测报告 Test Report			
委托单位 Applicant	中天储能科技有限公司 Zhongtian Energy Storage Technology Co., Ltd.		
委托单位地址 Applicant Address	中国江苏省南通市经济技术开发区宏兴东路 36 号 No.36, East Hongxing Road, NETDA, Nantong, Jiangsu, China		
工厂单位 Factory	中天储能科技有限公司 Zhongtian Energy Storage Technology Co., Ltd.		
工厂单位地址 Factory Address	中国江苏省南通市经济技术开发区宏兴东路 36 号 No.36, East Hongxing Road, NETDA, Nantong, Jiangsu, China		
样品名称 Sample Name	可充电锂离子电池系统 Rechargeable Li-ion Battery System	样品数量 Sample Quantity	1
样品型号 Sample Model	ENERGRID M261	商标品牌 Trademark	/
样品来源 Sample Source	委托单位送样 Sample Submission By Applicant	样品状态 Sample Status	良好 Good
送样日期 Sample Receiving Date	2025.12.22	检测周期 Test Date	2025.12.24~2025.12.25
质量 Weight	2600kg	尺寸 Overall Dimensions	(1000±5) * (1350±5) * (2350±5) mm (W*D*H)
检测依据 Test Standard	JT/T 1543-2025 《船舶载运锂电池 安全技术要求》 JT/T 1543-2025 <Safety technical requirements for the transport of lithium batteries by ships>		
检测项目 Test Item	附录 D 柜体强度试验: D.2 跌落试验、D.3 底部提升试验、D.4 顶部提升试验。 Appendix D: Cabinet Strength Test: D.2 Drop Test, D.3 Bottom Lifting Test, D.4 Top Lifting Test.		
检测地址 Test Address	广东省东莞市东坑镇杨沙路 8 号 101 室 Room 101, No.8 Yangsha Road, Dongkeng Town, Dongguan City, Guangdong Province		
检测结论 Conclusion	所检项目符合标准要求, 经检测证明该样品具备坚固、耐碰撞的外壳, 样品自身的外壳视同包装具有保护功能, 其内部的电池或电池组已得到外壳同等程度的保护。 The tested items meet the standard requirements. After testing, it has been proven that the sample has a sturdy and collision resistant outer shell. The outer shell of the sample itself is considered to have protective function as the packaging, and its internal cell or battery has received the same level of protection as the outer shell.		
主检 Tested By	审核 Checker	批准 Approver	
 Trey Huang 日期 Date: 2025.12.26	 One Lin 日期 Date: 2025.12.26	 日期 Date: 2025.12.26	

TRF No. JT/T 1543-2025-R0
Page 2 of 12

IEC 61000 Test Report-ENERGRID M261

ATTESTATION

◆ ATTESTATO

◆ ATESTACIÓN

◆ BESCHEINIGUNG

ATTESTATION



Product Service

Attestation of Conformity**No. E8A 003115 0021 Rev. 00****Holder of Attestation: ZhongTian Energy Storage Technology Co., Ltd.**No. 36 Hongxing Road intersection
Development Area
226015 Nantong, Jiangsu
PEOPLE'S REPUBLIC OF CHINA**Name of Object: Energy Storage System**

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: www.tuvsud.com/ps-cert

Test report no.: 4840825376400

Date, 2026-01-21



(Ming Gu)

Page 1 of 2

This Attestation does not replace the regulatory EU Declaration of Conformity (DoC) and does not allow for CE marking. After preparation of the necessary documentation and establishing compliance to requirements of all applicable directives, the manufacturer may sign a DoC and apply the CE marking. The DoC is issued under the sole responsibility of the manufacturer.

TÜV SÜD Product Service GmbH • Ridlerstraße 65 • 80339 Munich • Germany

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