

CERTIFICATE

of conformity with the following European Directives

Low Voltage Directive 2014/35/EU

This certifies that below described products of the applicant:

Shenzhen Enjoy Technology Co., Ltd.

Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong Cooperation Zone, Shenzhen, P.R.China

comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

Product(s):	Energy storage module
Model type(s):	EPCS30-AM, EPCS50-AM, EPCS63-AM, EPCS80-AM, EPCS105-AM, EPCS105-AM-F

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.

Certification program:	P31-VA-01 Rev. 02 / 04.20
Certification fundamental(s):	EN 62477-1:2012+A1:2017 EN 62477-1:2012+A12:2021
Registered no.:	44 799 23 406749 - 115
Report no.:	492012463.001
File no.:	PVP01024/23E-01

A blue ink signature, likely of a representative of TÜV NORD CERT GmbH.

TÜV NORD CERT GmbH
Certification Body
Energy Storage System

Essen, 2023-05-22



TÜV NORD CERT GmbH

Am TÜV 1, D-45307 Essen

www.tuev-nord-cert.de

prodcert@tuev-nord.de

Please also pay attention to the information stated overleaf.

 The CE marking may be affixed on the product if all relevant and effective Directives are complied with 

Certificate of conformity with the following European Directive

Registered No.:
NE1105230106

Electromagnetic Compatibility Directive 2014/30/EU

Reference of applicant	Date of application	File reference	Test report No.	Date of issue	Expiry date
-	05.07.2023	TWR2307005	TWR2307005 001	10.07.2023	09.07.2028

This is to certify that the following product complies to all the provisions of the above mentioned European Directive and the following standards:

Product: Power Conversion System

Type designation: EPCS30-AM, EPCS50-AM, EPCS63-AM,
EPCS80-AM, EPCS105-AM, EPCS105-AM-F

Serial No.: Engineering sample of EPCS105-AM

Applicant: Shenzhen Enjoy Technology Co., Ltd.
Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong
Cooperation Zone, Shenzhen, P.R. China


Standard(s): EN IEC 61000-6-2:2019, EN IEC 61000-6-4:2019
IEC 61000-6-2:2016, IEC 61000-6-4:2018

This Certificate of conformity is based on the evaluation of sample(s) of the above mentioned product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD Group. This is to certify that the tested sample is in compliance with the essential requirements referred to in Annex I of Council Directive 2014/30/EU. This certificate can be used by holder in connection with the EC declaration of conformity indicating conformity according to Electromagnetic Compatibility Directive.


Certification Department

Email: info.pc@tuv-nord.com
www.tuv-nord.com

The certificate can be verified by Online certification search in TÜV NORD Taiwan Co., Ltd. website: www.tuvnord.com.tw.
The certification system is based on ISO 17065.

 **The CE marking may be affixed on the product if all relevant and effective Directives are complied with.**
The TÜV NORD Group is active in more than 70 countries globally, which including TÜV NORD CERT GmbH (NB 0044), TÜV NORD
SYSTEMS GmbH & CO. KG (NB 0045), TÜV NORD BALTIC LTD (NB 1409), TÜV NORD Sweden AB (NB 2529), TÜV UK Ltd. (AB 0879)..etc.



Certificate of Conformity

Registered No.:

COCPPV06162/23E-01

File reference
PVP06162/23E-01

Test report No.
TRPVP06162/23E/01

Date of issue
2023-10-11

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **Shenzhen Enjoy Technology Co., Ltd.**
Qianhai Complex A201, Qianwan Road 1, Qianhai, Shenzhen-Hong
Kong Cooperation Zone, Shenzhen, P.R. China

Manufacturer: **Shenzhen Enjoy Technology Co., Ltd.**
Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong
Kong Cooperation Zone, Shenzhen, P.R. China

Factory: **Shenzhen Enjoy Technology Co., Ltd.**
2nd Floor, Building B, Airmate Technology Park, Huangfengling Industrial
Avenue, LuoZu Community, Shiyan sub district, Baoan District, ShenZhen
city, GuangDong Province, P.R. China

Product: Power Conversion System

Type designation: EPCS30-AM, EPCS50-AM, EPCS63-AM,
EPCS80-AM, EPCS105-AM, EPCS105-AM-F
Three-phase, Firmware version: A00

Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): EN 50549-1:2019+AC:2019-04
See test report for detailed information.

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



Renewable Energy

BOS&ESS-T-002 COC



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产品
PRODUCT
CNAS C183-P

TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Certificate of Conformity

Registered No.:

COCPPV04104/23E-01

File reference
PVP04104/23E-01

Test report No.
TRPVP04104/23E/01

Date of issue
2023-08-29

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **Shenzhen Enjoy Technology Co., Ltd.**
Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong
Cooperation Zone, Shenzhen, P.R. China

Manufacturer: **Shenzhen Enjoy Technology Co., Ltd.**
Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong
Cooperation Zone, Shenzhen, P.R. China

Factory: **Shenzhen Enjoy Technology Co., Ltd.**
2nd Floor, Building B, Airmate Technology Park, Huangfengling Industrial
Avenue, LuoZu Community, Shiyan sub district, Baoan District, ShenZhen
city, GuangDong Province, P.R. China

Product: Power Conversion System

Type designation: EPCS30-AM, EPCS50-AM, EPCS63-AM, EPCS80-AM, EPCS105-AM,
EPCS105-AM-F

Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): NRS 097-2-1:2017 Edition 2.1
See test report for detailed information.

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



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P.R. China

Version 1.0

Certificate of Conformity

Registered No.:
COCPPV06162/23E-02

File reference
PVP06162/23E-02

Test report No.
TRPVP06162/23E/02

Date of issue
2023-10-25

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **Shenzhen Enjoy Technology Co., Ltd.**
Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong
Cooperation Zone, Shenzhen, P.R. China

Manufacturer: **Shenzhen Enjoy Technology Co., Ltd.**
Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong
Cooperation Zone, Shenzhen, P.R. China

Factory : **Shenzhen Enjoy Technology Co., Ltd.**
2nd Floor, Building B, Airmate Technology Park, Huangfengling Industrial
Avenue, LuoZu Community, Shiyan sub district, Baoan District, ShenZhen
city, GuangDong Province, P.R. China

Product: Power Conversion System

Type designation: EPCS30-AM, EPCS50-AM, EPCS63-AM,
EPCS80-AM, EPCS105-AM, EPCS105-AM-F

Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): EN 50549-1:2019+AC:2019-04 with deviations of grid protection settings
for Netherlands
See test report for detailed information.

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



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Certificate of Conformity

Registered No.:
COC PVP08100/23E-01

File reference
PVP08100/23E-01

Test report No.
TRPVP08100/23E/01

Date of issue
2023-10-19

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **Shenzhen Enjoy Technology Co., Ltd.**
Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong
Cooperation Zone, Shenzhen, P.R. China

Manufacturer: **Shenzhen Enjoy Technology Co., Ltd.**
Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong
Cooperation Zone, Shenzhen, P.R. China

Factory : **Shenzhen Enjoy Technology Co., Ltd.**
2nd Floor, Building B, Airmate Technology Park, Huangfengling Industrial
Avenue, Luozu Community, Shiyan sub district, Baoan District, ShenZhen
city, GuangDong Province, P.R. China

Product: Power Conversion System

Type designation: EPCS30-AM, EPCS50-AM, EPCS63-AM,
EPCS80-AM, EPCS105-AM, EPCS105-AM-F

Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): EN 50549-1:2019+AC:2019-04 with deviations of grid protection settings
according to C10/11:2019 edition 2.2 used for Belgium
See test report for detailed information.

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



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P.R. China

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Certificate of Conformity

Registered No.:
COCVP09079/23E-01

File reference
PVP09079/23E-02

Test report No.
TRPVP09079/23E/02

Date of issue
2023-11-17

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **Shenzhen Enjoy Technology Co., Ltd.**
Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong Cooperation Zone, Shenzhen, P.R. China

Manufacturer: **Shenzhen Enjoy Technology Co., Ltd.**
Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong Cooperation Zone, Shenzhen, P.R. China

Factory: **Shenzhen Enjoy Technology Co., Ltd.**
2nd Floor, Building B, Airmate Technology Park, Huangfengling Industrial Avenue, LuoZu Community, Shiyan sub district, Baoan District, ShenZhen city, GuangDong Province, P.R. China

Product: Power Conversion System

Type designation: EPCS30-AM, EPCS50-AM, EPCS63-AM,
EPCS80-AM, EPCS105-AM, EPCS105-AM-F

Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): EN 50549-1:2019+AC:2019-04 with deviations of grid protection settings for Greece
See test report for detailed information.

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



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Certyfikacja podstawowa(e):

PN-EN 50549-1:2019

Wymagania dla instalacji wytwórczych przeznaczonych do równoległego przyłączania do publicznych sieci dystrybucyjnych - Część 1: Przyłączanie do sieci dystrybucyjnej nN - Instalacje wytwórcze aż do typu B włącznie;

PSE, 2018-12-18

Wymogi Ogólnego Stosowania wynikające z rozporządzenia komisji UE 2016/631 z dnia 14 kwietnia 2016 r. ustanawiającego kodeks sieci dotyczący wymogów w zakresie przyłączenia jednostek wytwórczych do sieci - zatwierdzone Decyzją Prezesa Urzędu Regulacji Energetyki DRE.WOSE.7128.550.2.2018.ZJ z dnia 2 stycznia 2019 r;

2016/631 EU (NC RFG)

ROZPORZĄDZENIE KOMISJI (UE) 2016/631 z dnia 14 kwietnia 2016 r. w sprawie kodeksu sieci dotyczącego wymogów w zakresie przyłączenia wytwórców do sieci;

PTPIREE, 2021-04-28

Warunki i procedury wykorzystania certyfikatów w procesie przyłączenia modułów wytwarzania energii do sieci elektroenergetycznych

Szczegółowe informacje znajdują się w raporcie z badań.

Jednostka certyfikująca:**TÜV NORD (HANGZHOU) CO., LTD.**

Room B409, Building 1, No. 9, Jiuhuan Road, Shangcheng District, Hangzhou City, Zhejiang Province, 310019, P.R. China

Niniejszy dokument oparty jest na ocenie próbek wyżej wymienionego wyrobu (wytrobów). Nie oznacza on oceny masowej produkcji wyrobu(ów) i nie pozwala na stosowanie znaku TÜV NORD. Posiadacz niniejszego dokumentu może go używać w połączeniu z powiązanym raportem(ami) z badań.

Harvey Wang

2023.12.22

15:29:20

+08'00'

Harvey Wang
Deputy Specialist Manager
Renewable Energy

BOS&ESS-T-010 COC



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Strona 2 z 3 / Page 2 of 3

TÜV NORD (HANGZHOU) CO., LTD.
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P.R. China

Version 1.0

Certyfikat zgodności

Certificate of Conformity

Nr rejestracji:

COCVP11010/23E-01

Sygnatura pliku
PVP11010/23E-01

Raport z ewaluacji nr.
TRPVP11010/23E/01

Data wydania
2023-12-22

Data wygaśnięcia
2026-12-21

Na podstawie przeprowadzonych badań stwierdzono, że próbki poniższego(ych) produktu(ów) są zgodne z zasadniczymi wymaganiami określonymi w specyfikacji w momencie przeprowadzania badań:

Wnioskodawca:

Shenzhen Enjoy Technology Co., Ltd.

Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong Cooperation Zone, Shenzhen, P.R. China

Producent:

Shenzhen Enjoy Technology Co., Ltd.

Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong Cooperation Zone, Shenzhen, P.R. China

Fabryka:

Shenzhen Enjoy Technology Co., Ltd.

2nd Floor, Building B, Airmate Technology Park, Huangfengling Industrial Avenue, Luozu Community, Shiyao sub district, Baoan District, Shenzhen city, Guangdong Province, P.R. China

Produkt:

System konwersji mocy

Model:

EPCS30-AM, EPCS50-AM, EPCS63-AM,
EPCS80-AM, EPCS105-AM, EPCS105-AM-F

PGM:

Moduł wytwarzania energii typ A

Program certyfikacji:

BOS-P-01 Rev. 00

Schemat certyfikacji wyrobów typu 1a wg ISO/IEC 17067:2013

 Harvey Wang
2023.12.22
15:29:02 +08'00'

Harvey Wang
Deputy Specialist Manager

Renewable Energy
BOS&ESS-T-010 COC



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CNAS C183-P

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Member of TÜV NORD Group
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www.tuv-nord.com/cn
P.R. China

CERTIFICATE

of conformity with the following European Directives

Low Voltage Directive 2014/35/EU

This certifies that below described products of the applicant:

Shenzhen Enjoy Technology Co., Ltd.

Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong Cooperation Zone, Shenzhen, P.R.China

comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

Product(s): Bidirectional DC/DC Converter

Model type(s): EDCS30-M-M, EDCS50-M-M

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.

Certification program: P31-VA-01 Rev. 02 / 04.20

Certification fundamental(s): EN 62477-1:2012+A1:2017, EN 62477-1:2012+A12:2021, EN 62109-1:2010

Registered no.: 44 799 23 406749 - 193

Report no.: 492012564.001
492012565.001

File no.: PVP02181/23E-01
PVP04111/23E-02



TÜV NORD CERT GmbH
Certification Body
Energy Storage System

Essen, 2023-07-12

TÜV NORD CERT GmbH

Am TÜV 1, D-45307 Essen

www.tuev-nord-cert.de

prodcert@tuev-nord.de

Please also pay attention to the information stated overleaf.

CERTIFICATE

of conformity with the following European Directives

Low Voltage Directive 2014/35/EU

This certifies that below described products of the applicant:

Shenzhen Enjoy Technology Co., Ltd.

Qianhai Complex A201, Qianwan Road 1, Qianhai Shenzhen-Hong Kong Cooperation Zone, Shenzhen, P.R.China

comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

Product(s): Static transfer systems (STS)

Model type(s): ESTS100-M, ESTS200-M, ESTS500-M

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.

Certification program:	P31-VA-01 Rev. 02 / 04.20
Certification fundamental(s):	EN 62477-1:2012+A1:2017, EN 62477-1:2012+A12:2021
Registered no.:	44 799 23 406749 - 203
Report no.:	492012581.001
File no.:	PVP02181/23E-02



TÜV NORD CERT GmbH
Certification Body
Energy Storage System

Essen, 2023-07-19

TÜV NORD CERT GmbH

Am TÜV 1, D-45307 Essen

www.tuev-nord-cert.de

prodcert@tuev-nord.de

Please also pay attention to the information stated overleaf.



The CE marking may be affixed on the product if all relevant and effective Directives are complied with.





产品认证证书

证书编号: CQC23024386269

发证日期: 2023 年 04 月 27 日
有效期至: 长期有效

委托人名称 深圳市恩玖科技有限公司
及注册地址 深圳市前海深港合作区前湾一路 1 号 A 栋 201 室 (入驻深圳市前海商务秘书有限公司)

制造商名称 深圳市恩玖科技有限公司
及注册地址 深圳市前海深港合作区前湾一路 1 号 A 栋 201 室 (入驻深圳市前海商务秘书有限公司)

生产企业名称 深圳市恩玖科技有限公司
及生产地址 深圳市宝安区石岩街道罗租社区黄峰岭工业区艾美特科技园 B 栋 2 楼

产品名称和系列、规格、型号 储能变流器
EPCS105-AM、EPCS80-AM、EPCS63-AM、EPCS50-AM (见附件)

产品标准和技术要求 GB/T 34120-2017

认证模式 产品检验+初始工厂检查+获证后监督

上述产品符合 CQC33-461296-2018 认证规则的要求, 特发此证。
本证书的有效性依据发证机构的定期监督获得保持。

可通过扫描下方二维码或登录国家认监委网站 (www.cnca.gov.cn) 查验证书信息



签发:

谢肇煦



中国质量认证中心





中国认可
国际互认
检测
TESTING
CNAS L14701



检测报告

委托单位: 深圳市恩玖科技有限公司
地址: 深圳市前海深港合作区前湾一路1号A栋201室
(入驻深圳市前海商务秘书有限公司)
样品名称: 储能变流器
样品型号: EPCS105-AM
品牌名称: 
检测依据: GB/T 34133-2017, GB/T 36548-2018
判定依据: GB/T 34120-2017, GB/T 34133-2017
GB/T 36547-2018, GB/T 36548-2018
测试日期: 2023.07.15 - 2023.07.16
签发日期: 2023.07.24

签发方:



东莞市巴能检测技术有限公司

主检: 黄劲

审核: 郑涛

批准: 齐昊



东莞市巴能检测技术有限公司			
检 测 报 告			
样品名称	储能变流器	商 标	
申 请 商	深圳市恩玖科技有限公司	申请商地址	深圳市前海深港合作区前湾一路1号A栋201室（入驻深圳市前海商务秘书有限公司）
制 造 商	深圳市恩玖科技有限公司	制造商地址	深圳市前海深港合作区前湾一路1号A栋201室（入驻深圳市前海商务秘书有限公司）
工 厂	深圳市恩玖科技有限公司	工厂地址	深圳市宝安区石岩街道罗租社区黄蜂岭工业区艾美科技园B栋2楼
样品型号	EPCS105-AM	样品数量	1 台
送检日期	2023 年 7 月 5 日	取样方式	送样
检测类别	委托测试	检测环境	21℃~27℃，60%RH ~ 75%RH，99.0 kPa ~101.0kPa
样品说明	样品 1 台，编号为 1#；检测之前外观完好。 1#：EPCS105-AM		
检测依据	GB/T 34133-2017《储能变流器检测技术规程》； GB/T 36548-2018《电化学储能系统接入电网测试规范》		
检测项目	详见“检测项目及结果汇总表”。		
检测结论	所检项目均符合判定依据要求，详见“检测项目及结果汇总表” <div> (检测单位盖章) 签发日期：2023 年 07 月 24 日 检验检测专用章</div>		
备 注	/		



中国认可
国际互认
检测
TESTING
CNAS L1659

报告编号 Rep No. SET2022-15658

检测报告

TEST REPORT

委托单位名称

Client Name

深圳市恩玖科技有限公司

产品名称

Name of product

储能变流器

制造厂商

Manufacturer

深圳市恩玖科技有限公司

商标型号

Trade mark & model

EPCS640-AS

检测类别

Test sort

委托试验



中检集团南方测试股份有限公司

CCIC Southern Electronic Product Testing Co., Ltd.

地址: 深圳市南山区西丽街道沙河路 43 号电子检测大厦 邮编: 518055

Address: Electronic Testing Building No. 43 Shale Road, Xili Jiedao, Nanshan District, Shenzhen, Guangdong, China

电话/TEL: 86-755-26627338 传真/FAX: 86-755-26627338

网址/Internet: <http://www.ccic-set.com>

电子邮箱/E-Mail: manager@ccic-set.com

查询码: ISK57EHW



中检集团南方测试股份有限公司

CCIC Southern Electronic Product Testing Co., Ltd.

检 测 报 告

TEST REPORT

样品名称 Name of sample	储能变流器		商标 Trade mark	/	
制造厂商 Manufacturer	深圳市恩玖科技有限公司		型号规格 Model/Type	EPCS640-AS	
委托单位 Client	深圳市恩玖科技有限公司		取样方式 Sampling method	委托单位送样	
抽样单位 Sampler	/		抽样母数 Amount of samples	/	
抽样地点 Sampling place	/		样品数量 Quantity of samples	1 台	
生产日期 Production date	/	抽样日期 Sampling date	/	送检日期 Application data	2021.12.13
检测日期 Test date	2022.10.28 至 2022.11.30		检测环境 Environment condition	20-30°C, 45-75%RH	

样品说明(Sample description):

测试前样品完好, 工作正常, 样品基本参数如下:

共检测 1 台样品, 样品编号: SN21019933, EPCS640-AS 为接入配电网的储能变流器型号, 该机型由 8 个功率模块输出并机构成。检测前样品完好无损, 功能正常。

样品参数如下:

型号: EPCS640-AS			
<input checked="" type="checkbox"/> 并网运行模式; <input type="checkbox"/> 离网运行模式; <input type="checkbox"/> 并离网运行模式			
直流侧参数			
最大直流功率 (kW)	640	直流母线最高电压 (V)	900
直流侧最大电流 (A)	1040	直流电压满载工作范围 (V)	615~900
交流侧参数			
额定功率 (kW)	640	最大输出功率 (kW)	704
隔离方式	<input type="checkbox"/> 隔离型/ <input checked="" type="checkbox"/> 非隔离型	最大输出电流 (A)	1012
并网运行参数			
额定电网电压 (V)	400 3W+PE	电网电压范围	320~440
额定电网频率 (Hz)	50	功率因数	>0.98



离网运行参数			
额定输出电压 (V)	/	额定输出频率 (Hz)	/
通用参数			
质量 (kg)	700	防护等级	IP20
允许环境温度 (°C)	-30°C~55°C	允许环境湿度 (%)	0~95%, 无冷凝
冷却方式	智能强制风冷	使用环境	-30°C~55°C

检测项目(Test item):
低电压穿越

检测依据(Reference documents):
GB/T36547-2018 《电化学储能系统接入电网技术规定》
GB/T36548-2018 《电化学储能系统接入电网测试规范》
GB/T 34120-2017 《电化学储能系统储能变流器技术规范》

检测概况(Summary):
本次试验, 按照 GB/T 34120-2017 标准中条款 5.4.12, GB/T36547-2018 标准中条款 7.2 和 GB/T36548-2018 标准中条款 7.4 的低电压穿越试验要求对设备进行了测试, 数据详见后页。

检测结论(Test conclusion):
所检项目符合标准要求

检测: 徐小刚 审核: 林丽加 批准: 周军

2022年12月01日 2022年12月01日 2022年12月01日



中国认可
国际互认
检测

TESTING 报告编号 Rep No. SET2022-15659
CNAS L1659

检测报告

TEST REPORT

委托单位名称

Client Name

深圳市恩玖科技有限公司

产品名称

Name of product

储能变流器

制造厂商

Manufacturer

深圳市恩玖科技有限公司

商标型号

Trade mark & model

EPCS640-AS

检测类别

Test sort

委托试验



中检集团南方测试股份有限公司

CCIC Southern Electronic Product Testing Co., Ltd.

地址: 深圳市南山区西丽街道沙河路 43 号电子检测大厦 邮政编码/PC: 518055

Address: Electronic Testing Building, No. 43 Shahu Road, Xili Jiedao, Nanshan District, Shenzhen, Guangdong, China

电话/TEL: 86-755-26627338 传真/FAX: 86-755-26627238

网址/Internet: [http:// www.ccic-set.com](http://www.ccic-set.com)

电子信箱/E-Mail: manager@ccic-set.com

查询码: ISK57EHW



中检集团南方测试股份有限公司
CCIC Southern Electronic Product Testing Co., Ltd.

检 测 报 告
TEST REPORT

样品名称 Name of sample	储能变流器	商标 Trade mark	/
制造厂商 Manufacturer	深圳市恩玖科技有限公司	型号规格 Model/Type	EPCS640-AS
委托单位 Client	深圳市恩玖科技有限公司	取样方式 Sampling method	委托单位送样
抽样单位 Sampler	/	抽样母数 Amount of samples	/
抽样地点 Sampling place	/	样品数量 Quantity of samples	1 台
生产日期 Production date	/	抽样日期 Sampling date	/
检测日期 Test date	2022.10.31 至 2022.11.30	检测环境 Environment condition	20-30°C, 45-75%RH
送检日期 Application data	2021.12.13		

样品说明(Sample description):

测试前样品完好, 工作正常, 样品基本参数如下:

共检测 1 台样品, 样品编号: SN21019933, EPCS640-AS 为接入配电网的储能变流器型号, 该机型由 8 个功率模块输出并机构成。检测前样品完好无损, 功能正常。

样品参数如下:

型号: EPCS640-AS			
<input checked="" type="checkbox"/> 并网运行模式; <input type="checkbox"/> 离网运行模式; <input type="checkbox"/> 并离网运行模式			
直流侧参数			
最大直流功率 (kW)	640	直流母线最高电压 (V)	900
直流侧最大电流 (A)	1040	直流电压满载工作范围 (V)	615~900
交流侧参数			
额定功率 (kW)	640	最大输出功率 (kW)	704
隔离方式	<input type="checkbox"/> 隔离型/ <input checked="" type="checkbox"/> 非隔离型	最大输出电流 (A)	1012
并网运行参数			
额定电网电压 (V)	400 3W+PE	电网电压范围	320~440
额定电网频率 (Hz)	50	功率因数	>0.98



离网运行参数			
额定输出电压 (V)	/	额定输出频率 (Hz)	/
通用参数			
质量 (kg)	700	防护等级	IP20
允许环境温度 (°C)	-30°C~55°C	允许环境湿度 (%)	0~95%, 无冷凝
冷却方式	智能强制风冷	使用环境	-30°C~55°C
检测项目(Test item): 高电压穿越			
检测依据(Reference documents): GB/T36547-2018 《电化学储能系统接入电网技术规定》 GB/T36548-2018 《电化学储能系统接入电网测试规范》			
检测概况(Summary): 检测概况(Summary): 本次试验, 按照 GB/T36547-2018 和 GB/T36548-2018 标准中的高电压穿越试验要求对设备进行了测试, 数据详见后页。			
检测结论(Test conclusion): 所检项目符合标准要求 <div style="text-align: right;"> (检验单位盖章 stamp)</div>			
检测:	<u>徐小刚</u> 2022年12月01日	审核:	<u>林丽</u> 2022年12月01日
		批准:	<u>周军</u> 2022年12月01日



检验项目汇总表

序号	检 测 项 目	依据标准条款	检测结果
1	高电压穿越	GB/T36547-2018 /7.2.2 GB/T36548-2018 /7.5	P

可能的试验情况判定：

- 试验情况不适用本试验产品或未进行此项试验
- N/A（不适用或未进行）
- 试验样品满足要求
- P（合格）
- 试验样品不满足要求
- F（不合格）





产品认证证书

太阳能产品认证

证书编号: CQC22024329468

发证日期: 2022年02月28日

有效期至: 长期有效

委托人名称 深圳市恩玖科技有限公司
及注册地址 深圳市前海深港合作区前湾一路1号A栋201室(入驻深圳市前海商务秘书有限公司)
制造商名称 深圳市恩玖科技有限公司
及注册地址 深圳市前海深港合作区前湾一路1号A栋201室(入驻深圳市前海商务秘书有限公司)
生产企业名称 深圳市恩玖科技有限公司
及生产地址 深圳市宝安区石岩街道罗租社区黄峰岭工业区艾美特科技园B栋2楼
产品名称和系列、规格、型号 250kW 储能变流器
SinE250PC44T: 直流侧: 电压范围 600~820V, 最大电流 400A; 交流侧: 3N~400V, 50/60Hz, 360A*3, 额定功率 250kW.
产品标准和技术要求 GB/T 34120-2017
认证模式 产品检验+初始工厂检查+获证后监督

上述产品符合 CQC33-461296-2018 认证规则的要求, 特发此证。

本证书的有效性依据发证机构的定期监督获得保持。

可通过扫描下方二维码或登录国家认监委网站(www.cnca.gov.cn)查验证书信息



签发: 谢肇煦



中国质量认证中心



<http://www.cqc.com.cn>

中国·北京·南四环西路188号9区 100070

电话: +86 10 83886666

T 0016439



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC22024342231

Valid from: May.16,2022

Valid until:long-term

**NAME AND REGISTERED
ADDRESS OF THE APPLICANT**

SHENZHEN ENJOY TECHNOLOGY CO.,LTD.
Room 201, building A, no.1 qianwan first road, qianhai shenzhen-hong kong cooperation zone,
shenzhen (settled in shenzhen qianhai business secretary co., LTD.)

**NAME AND REGISTERED
ADDRESS OF THE
MANUFACTURER**

SHENZHEN ENJOY TECHNOLOGY CO.,LTD.
Room 201, building A, no.1 qianwan first road, qianhai shenzhen-hong kong cooperation zone,
shenzhen (settled in shenzhen qianhai business secretary co., LTD.)

**NAME AND LOCATION
OF THE FACTORY**

SHENZHEN ENJOY TECHNOLOGY CO.,LTD.
2/F , Building B , Airmate Science Park, Huangfenglin Road, Shiyan Street, Baoan District, Shenzhen

**PRODUCT NAME, MODEL
AND SPECIFICATION**

PCS
EPCS640-AS : DC side: the voltage range 615 ~ 900V, the maximum current 1040 A; Ac side:
3W+PE,400V, 50Hz, max.1012A, rated power 640kW.

**THE STANDARDS AND
TECHNICAL REQUIREMENTS
FOR THE PRODUCTS**

GB/T 34120-2017

**TYPE OF CERTIFICATION
SCHEMES**

Product Testing + Initial Factory Inspection + Follow up Factory Inspection

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC33-461296-2018.
The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body.

The certificate information is available through the QR code below or CNCA's website: www.cnca.gov.cn



SIGNATURE:

谢肇煦

CHINA QUALITY CERTIFICATION CENTRE





产品认证证书

证书编号: CQC22024342231

发证日期: 2022 年 05 月 16 日

有效期至: 长期有效

委托人名称	深圳市恩玖科技有限公司
及注册地址	深圳市前海深港合作区前湾一路 1 号 A 栋 201 室 (入驻深圳市前海商务秘书有限公司)
制造商名称	深圳市恩玖科技有限公司
及注册地址	深圳市前海深港合作区前湾一路 1 号 A 栋 201 室 (入驻深圳市前海商务秘书有限公司)
生产企业名称	深圳市恩玖科技有限公司
及生产地址	深圳市宝安区石岩街道罗租社区黄峰岭工业区艾美特科技园 B 栋 2 楼
产品名称和系列、 规格、型号	储能变流器 EPCS640-AS : 直流侧:电压范围 615 ~ 900V , 最大电流 1040A ; 交流侧 : 3W+PE,400V , 50Hz , max.1012A , 额定功率 640kW.
产品标准和技术要求	GB/T 34120-2017
认证模式	产品检验+初始工厂检查+获证后监督

上述产品符合 CQC33-461296-2018 认证规则的要求, 特发此证。

本证书的有效性依据发证机构的定期监督获得保持。

可通过扫描下方二维码或登录国家认监委网站 (www.cnca.gov.cn) 查验证书信息



签发:

谢肇煦



中国质量认证中心

