

INPPCS-125/0.4-W-14-A2-OS

海外认证

## 目录

|                                 |    |
|---------------------------------|----|
| 一、 CE 认证.....                   | 1  |
| 1、 安规 LVD EN/IEC 62477-1.....   | 1  |
| 2、 安规 LVD 62477-1 TUV Mark..... | 2  |
| 3、 安规 LVD EN/IEC 62109-1/2..... | 3  |
| 4、 EMC EN/IEC 61000-6-2/4.....  | 4  |
| 二、 并网认证.....                    | 5  |
| 1、 欧洲通用并网认证.....                | 5  |
| 2、 东南亚中东通用并网认证.....             | 7  |
| 3、 德国并网认证（已列名） .....            | 8  |
| 4、 比利时并网认证.....                 | 10 |
| 5、 法国并网认证.....                  | 11 |
| 6、 奥地利并网认证（已列名） .....           | 12 |
| 7、 英国并网认证（已列名） .....            | 13 |
| 8、 捷克并网认证.....                  | 14 |
| 9、 瑞典并网认证.....                  | 15 |
| 10、 南非并网认证.....                 | 16 |
| 11、 荷兰并网认证.....                 | 18 |
| 12、 澳大利亚并网认证.....               | 19 |
| 13、 西班牙并网认证.....                | 20 |

## 1、安规 LVD EN/IEC 62477-1

| CERTIFICATE<br>of Conformity<br>Low Voltage Directive (EU) 2014/35                                    |                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Registration No.:                                                                                     | AN 50670428 0001                                                                                                                                                                 |
| Product:                                                                                              | Storage Power Conversion System<br>(Power Conversion System)                                                                                                                     |
| Identification:                                                                                       | Type Designation<br>INPPCS-125/0.4-W-14-A2-0S<br><br>Serial Number: Engineering Samples<br>Remark(s) : Issued in conjunction with TÜV Rheinland<br>license R 50656402 0001-0002. |
| <div></div>       |                                                                                                                                                                                  |
| TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg                                      |                                                                                                                                                                                  |
| The CE marking may be used if all relevant and effective EC Directives/Regulations are complied with. |                                                                                                                                                                                  |

## 2、安规 LVD 62477-1 TUV Mark

Seite Page 1 / 3

### Zertifikat Certificate

**Zertifikatsnummer Certificate No.:**  
R 50656402 0002

**Berichtsnummer Report No.:**  
CN24FXKL 002

**Genehmigungsinhaber License Holder:**  
Langfang IN-Power Electric Co., Ltd.  
No.68 Lotus Rd,Economic & Technical  
Development Zone  
Langfang,  
065001 Hebei  
P.R. China

**Fertigungsstätte Manufacturing Site:**  
2 Fertigungsstätten auf Folgeseiten  
Listing of 2 factories on following pages

**Prüfzeichen Test Mark:**  
 Type Approved  
Safety  
Regular Production  
Surveillance  
www.tuv.com  
de 111 388692

**Geprüft nach Tested according to:**  
IEC 62477-1:2012  
EN 62477-1:2012+A11+A1+A12

**Geräteidentifikation Product Identification**

**Produkt:** Storage Power Conversion System  
**Produkt:** (Power Conversion System)

**Modell:** Modelle sind auf nächste(r) Seite(n) gelistet  
**Type:** Type designation(s) are listed on the next page(s)

**Technische Daten:** Refer to the next page(s)  
**Technical Data:** ANLAGE (Appendix): 1.1

**Gültig ab:** 2025-03-25  
**Valid from:**

**Ausstellungsdatum:** 2025-03-25  
**Date of issue:**

**Zertifizierungsstelle:**  
**Certification body:**  
  
Zhao Xinhua  


Das Zertifikat liegt unserer Prüf- und Zertifizierungsabteilung zugrunde und es bestätigt die Konformität des Produkts mit den angegebenen Standards und Fertigungsregeln. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich beachtet werden. Die Herstellung des zertifizierten Produkts wird überwacht. The certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The responsibility of the certified product is subject to surveillance.

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**  
<http://www.tuv.com/safety> E-mail: [marktcheck@tuv.com](mailto:marktcheck@tuv.com)  
Fax: +49 221 806-3935

 **TÜVRheinland®**  
Precisely Right.

[www.tuv.com](http://www.tuv.com)

Seite Page 2 / 3

### Zertifikat Certificate

**Zertifikatsnummer Certificate No.:**  
R 50656402 0002

**Berichtsnummer Report No.:**  
CN24FXKL 002

**Produkt Product:** Storage Power Conversion System  
(Power Conversion System)

**Modell Type:** **Bezeichnung Designation:**  
As page R 50629518 0001

**Modification:** :  
**Operating Temperature [°C]:** -30 to 60(>50 derating)

**Remark(s):**  
The installation has to be carried out according to the installation instruction specified by the manufacturer. Any additional requirements in countries where the product is going to be marketed have to be considered additionally.



 **TÜVRheinland®**  
Precisely Right.

[www.tuv.com](http://www.tuv.com)

Seite Page 3 / 3

### Zertifikat Certificate

**Zertifikatsnummer Certificate No.:**  
R 50656402 0002

**Berichtsnummer Report No.:**  
CN24FXKL 002

**Produkt Product:**  
Storage Power Conversion System (Power Conversion System)

**Fertigungsstätten Factories:**

- Langfang IN-Power Electric Co., Ltd.  
No.68 Lotus Rd,Economic & Technical  
Development Zone  
Langfang,  
065001 Hebei  
P.R. China
- IN-POWER Energy Technology (Huizhou)  
Co., Ltd.  
1F & 6F, Workshop 2, No.9,  
Zhongkai Section Sihuan Road(S),  
Zhongkai High-tech Zone, Huizhou  
Guangdong  
P.R. China



 **TÜVRheinland®**  
Precisely Right.

[www.tuv.com](http://www.tuv.com)

3、安规 LVD EN/IEC 62109-1/2

CERTIFICATE

of Conformity

Registration No.:

AK 50688124 0001

Report No.:

CN25NZQV 001

Holder:

Langfang IN-Power Electric Co., Ltd.  
No.68 Lotus Rd,Economic & Technical  
Development Zone  
Langfang,  
065001 Hebei  
P.R. China

Product:

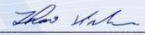
Storage Power Conversion System  
(Power Conversion System)

Type designation listed on the next page

The certificate of conformity refers to the above-mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned on the next page. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Date: 2025-08-01

Certification Body

  
Zhao Xinhua



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

www.tuv.com

TÜVRheinland®  
Precisely Right.

Page 1 of 2

CERTIFICATE

of Conformity

Registration No.:

AK 50688124 0001

Product:

Storage Power Conversion System  
(Power Conversion System)

Tested according to:

EN 62109-1:2010  
EN 62109-2:2011  
IEC 62109-1:2010  
IEC 62109-2:2011

Identification:

Type Designation  
INPPCS-125/0.4-W-14-A2-05 ,  
INPPCS-100/0.4-W-14-A2-05

Remark (s)

: Refer to test report CN25NZQV 001 for details.



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

www.tuv.com

TÜVRheinland®  
Precisely Right.

Page 2 of 2

#### 4、EMC EN/IEC 61000-6-2/4

**CERTIFICATE**  
of Conformity  
Directive 2014/30/EU  
Electromagnetic Compatibility

**Registration No.:** AE 50655839 0001  
**Report No.:** CN24MTG6 001  
**Holder:** Langfang IN-Power Electric Co., Ltd.  
No.68 Lotus Rd,Economic & Technical  
Development Zone  
Langfang,  
065001 Hebei  
P.R. China

**Product:** Storage Power Conversion System  
(Power Conversion System)

Type designation and serial number are listed on the next page(s)

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. This is to certify that the tested sample is in conformity with all provisions of Annex I of Council Directive 2014/30/EU. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to the a.m. Directive.  
This is not an EU-Type Examination Certificate.

**Certification Body**  
  
Gang Wang

**Date:** 2024-11-29

**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**

© TÜV, TÜV and TÜV are registered trademarks. All other marks and logos are the property of their respective owners.

www.tuv.com



Page 1 of 2

**CERTIFICATE**  
of Conformity  
Directive 2014/30/EU  
Electromagnetic Compatibility

**Registration No.:** AE 50655839 0001  
**Product:** Storage Power Conversion System  
(Power Conversion System)  
**Tested according to:** EN IEC 61000-6-2:2019  
EN IEC 61000-6-4:2019  
**Identification:** Type Designation  
INPPCS-125/0.4-W-14-A2-0S  
Serial No.:  
A003703903-001

**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**

© TÜV, TÜV and TÜV are registered trademarks. All other marks and logos are the property of their respective owners.

www.tuv.com



Page 2 of 2

## 二、并网认证

### 1、欧洲通用并网认证

#### 1.1 EN50549-1,EN50549-10

**CERTIFICATE**  
of Conformity

Registration No.: A3 50672772 0001  
Report No.: CN25COGB 001

**Holder:** Langfang IN-Power Electric Co., Ltd.  
No.68 Lotus Rd, Economic & Technical Development Zone, Langfang, 065001 Hebei P.R. China

**Product:** Energy Storage system  
(Power Conversion System)

**Identification:** Type Designation : INPPCS-125/0.4-W-14-A2-OS  
Serial Number : 13225224007  
Firmware Version : DSP: 1197, ARM: 1852  
Remark(s) : Refer to report CN25COGB 001 for details.

**Tested acc. to:** 2016/631 EU - (NC RIG)  
EN 50549-1:2019+A1  
EN 50549-10:2022

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Durch die DAKKS nach  
DIN EN ISO/IEC 17065:2013  
akkreditierte Zertifizierungsstelle.  
Die Akkreditierung gilt nur für den in der  
Urkundenanlage D-ZE/14169-01-02  
aufgeführten Akkreditierungsumfang.

Date **22.05.2025**

**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**

Certificate No.: A3 50672772 0001

**Certificate Of Conformity**

**License holder:** Langfang IN-Power Electric Co., Ltd.  
No.68 Lotus Rd, Economic & Technical Development Zone, Langfang, 065001 Hebei P.R.China

**Type of product:** Power Conversion System

**Model:** INPPCS-125/0.4-W-14-A2-OS

**Firmware version:** DSP: 1197 ARM: 1852

**Standard:** **EN 50549-1:2019+A1**  
Requirements for generating plants to be connected in parallel with distribution networks - Part 1: Connection to a LV distribution network - Generating plants up to and including Type B  
**EN 50549-10:2022**  
Requirements for generating plants to be connected in parallel with distribution networks - Part 10: Tests for conformity assessment of generating units  
**2016/631 EU - (NC RIG)**  
COMMISSION REGULATION (EU) 2016/631 of 14 April 2016 establishing a network code on requirements for grid connection of generators

**Report No.:** CN25COGB 001

**Date of issue:** 22.05.2025

The verification of conformity refers to the above mentioned product. This is to verify that the specimen is in conformity with the assessment requirement mentioned above. This verification does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Huajian Dong  
Certified

TÜV Rheinland LGA Products GmbH  
Am Grauen Stein 29 - 51105 Köln - Germany

**TÜVRheinland®**  
Precisely Right.

Certificat n° : A3 50672772 0001

**Certificat de conformité**

**Titulaire de la licence:** Langfang IN-Power Electric Co., Ltd.  
No.68 Lotus Rd, Economic & Technical Development Zone, Langfang, 065001 Hebei P.R.China

**Type de produit:** Système de conversion d'énergie

**Modèle:** INPPCS-125/0.4-W-14-A2-OS

**Version du firmware:** DSP: 1197 ARM: 1852

**Standard:** **EN 50549-1 : 2019+A1**  
Exigences relatives aux centrales électriques destinées à être raccordées en parallèle à des réseaux de distribution - Partie 1: Raccordement à un réseau de distribution BT - Centrales électriques jusqu'au Type B inclus  
**EN 50549-10 : 2022**  
Exigences relatives aux centrales électriques destinées à être raccordées en parallèle à des réseaux de distribution - Partie 10 : Essais pour l'évaluation de la conformité des unités de production  
**2016/631 EU - (NC RIG)**  
Règlement (UE) 2016/631 de la COMMISSION du 14 avril 2016 Établir un code de réseau sur les exigences relatives au raccordement au réseau des générateurs

**Rapport n° :** CN25COGB 001

**Date d'émission :** 22.05.2025

La vérification de la conformité concerne le produit susmentionné. Elle a pour but de vérifier que le spécimen est conforme aux exigences d'évaluation mentionnées ci-dessus. Cette vérification n'implique pas l'évaluation de la production du produit et ne permet pas l'utilisation d'une marque de conformité de TÜV Rheinland.

Huajian Dong  
Certified

TÜV Rheinland LGA Products GmbH  
Am Grauen Stein 29 - 51105 Köln - Germany

**TÜVRheinland®**  
Precisely Right.

## 1.2 EN50549-2

|                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                          |                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <h1>CERTIFICATE</h1> <p>of Conformity</p>                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                          | <br><b>TÜVRheinland</b>                                  |
| <b>Registration No.:</b>                                                                                                                                                                                                                                                                                                          | <b>A3 50677208 0001</b>                                                                                                                                                                  |                                                                                                                                            |
| <b>Report No.:</b>                                                                                                                                                                                                                                                                                                                | <b>CN25WO6Z 001</b>                                                                                                                                                                      |                                                                                                                                            |
| <b>Holder:</b>                                                                                                                                                                                                                                                                                                                    | <b>Langfang IN-Power Electric Co., Ltd.</b><br><b>No.68 Lotus Rd.Economic &amp; Technical</b><br><b>Development Zone</b><br><b>Langfang,</b><br><b>065001 Hebei</b><br><b>P.R. China</b> |                                                                                                                                            |
| <b>Product:</b>                                                                                                                                                                                                                                                                                                                   | <u>Energy Storage system</u><br>(Power Conversion System)                                                                                                                                |                                                                                                                                            |
| <b>Identification:</b>                                                                                                                                                                                                                                                                                                            | Type Designation : INPPCS-125/0.4-W-14-A2-OS<br>Serial Number : 1325226007<br>Firmware Version : DSP: 1197 , ARM: 1852<br>Remark(s) : Refer to report CN25WO6Z 001 for details.          |                                                                                                                                            |
| <b>Tested acc. to:</b>                                                                                                                                                                                                                                                                                                            | EN 50549-2:2019+A1<br>EN 50549-10:2022                                                                                                                                                   |                                                                                                                                            |
| <p>The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.</p> |                                                                                                                                                                                          |                                                                                                                                            |
| <p>Durch die DakKS nach<br/>DIN EN ISO/IEC 17065:2013<br/>akkreditierte Zertifizierungsstelle,<br/>Die Akkreditierung gilt nur für den in der<br/>Urkundenanlage D-ZE/14/169-04/42<br/>aufgeführten Akkreditierungsumfang.</p>                                                                                                    |                                                                                                                                                                                          | <p>Certification Body</p> <p><br/><b>Huojian Dong</b></p> |
| <p>Date <u>22.05.2025</u></p>                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                          |                                                                                                                                            |
| <p><b>TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg</b></p>                                                                                                                                                                                                                                                    |                                                                                                                                                                                          |                                                                                                                                            |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certificate No.: A3 50677208 0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                   |
| Certificate Of Conformity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                   |
| License holder:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Langfang IN-Power Electric Co., Ltd.<br>No 68 Lotus Rd, Economic&Technical Development Zone, Langfang, 065001<br>Hebei P.R.China                                                                                                                                                                                                                                                                  |
| Type of product:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Power Conversion System                                                                                                                                                                                                                                                                                                                                                                           |
| Model:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | INPPCS-125/0.4-W-14-A2-OS                                                                                                                                                                                                                                                                                                                                                                         |
| Firmware version:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DSP: 1197 , ARM: 1852                                                                                                                                                                                                                                                                                                                                                                             |
| Standard:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | EN 50549-2: 2019-A1<br>Requirements for generating plants to be connected in parallel with distribution networks - Part 2: Connection to a MV distribution network - Generating plants up to and including Type B<br>EN 50549-10:2022<br>Requirements for generating plants to be connected in parallel with distribution networks - Part 10: Tests for conformity assessment of generating units |
| Report No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CN25W06Z 001                                                                                                                                                                                                                                                                                                                                                                                      |
| Date of issue:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 22.05.2025                                                                                                                                                                                                                                                                                                                                                                                        |
| <p>The verification of conformity refers to the above mentioned product. This is to verify that the specimen is in conformity with the assessment requirement mentioned above. This verification does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.</p> <div><p>Miaojuan Dong<br/>Certifier</p></div> |                                                                                                                                                                                                                                                                                                                                                                                                   |

## 2、东南亚中东通用并网认证

IEC61727,IEC62116

**CERTIFICATE**  
of Conformity

**Registration No.:** AK 50683464 0001  
**Report No.:** CN25HQP1 001  
**Holder:** Langfang IN-Power Electric Co., Ltd.  
No.68 Lotus Rd,Economic & Technical  
Development Zone  
Langfang,  
065001 Hebei  
P.R. China  
**Product:** Converter  
(Power Conversion System)

**Type designation listed on the next page**  
The certificate of conformity refers to the above-mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned on the next page. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

**Date:** 2025-06-27

**Certification Body**  
  
Dean Cao



© TÜV, TÜV and TÜV are registered trademarks. All other marks and logos are the property of their respective owners.

**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**

www.tuv.com

 **TÜVRheinland®**  
Precisely Right.

Page 1 of 2

**CERTIFICATE**  
of Conformity

**Registration No.:** AK 50683464 0001  
**Product:** Converter  
(Power Conversion System)  
**Tested according to:** IEC 62116:2014  
IEC 61727:2004  
**Identification:** Type Designation  
INPPCS-125/0.4-W-14-A2-05  
INPPCS-100/0.4-W-14-A2-05  
Firmware Version : DSP: 1197, ARM: 1852  
Remark(s) : Refer to report CN25HQP1 001  
for details.



© TÜV, TÜV and TÜV are registered trademarks. All other marks and logos are the property of their respective owners.

**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**

www.tuv.com

 **TÜVRheinland®**  
Precisely Right.

Page 2 of 2

### 3、德国并网认证（已列名）

#### 3.1 VDE 4110 预证书

| <b>Vorläufige Prototypenbestätigung /<br/>Preliminary prototype confirmation</b>                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Netzintegration von Erzeugungseinheiten und -anlagen</b>                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Nr. / No.: 968/GI 2225.00/25      Grid integration of power generating units and systems</b>                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Antragsteller /<br>Applicant                                                                                                                    | Langfang In-Power Electric Co., Ltd.<br>No.68 Lotus Rd, Economic&Technical Development Zone,<br>Langfang, Hebei, 065001, P.R. China                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Zertifizierstelle /<br>Certification Body                                                                                                       | TÜV Rheinland Industrie Service GmbH<br>Am Grauen Stein<br>51105 Köln, Deutschland / Germany                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Produkttyp /<br>Product type                                                                                                                    | Umrichter für Speicher / Energieerzeugungseinheit (EZE) Typ 2<br>Inverter for Storage Systems / Power Generating Unit (PGU) Type 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Modell /<br>Model                                                                                                                               | <b>INPPCS-125/0.4-W-14-A2-OS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Beschreibung /<br>Description                                                                                                                   | Die EZE kann innerhalb ihrer Betriebsbereiche Leistung und Blindleistung bereitstellen / beziehen. Darüber hinaus bietet sie eine dynamische Blindstromspeisung bei Netzfehlern mit eingebauter Schutzfunktion. / The PGU can supply/receive power and reactive power within its operating ranges. It also provides dynamic reactive current feed-in during grid fault with equipped protective function.                                                                                                                                                                                                                                                                                                                                                                         |
| Normen /<br>Standards                                                                                                                           | VDE-AR-N 4110:2023-09<br>VDE-AR-N 4120:2018-11<br>FGW TR 8 / TG8, Rev.09 (2022-04-05)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Erklärung /<br>Declaration                                                                                                                      | Die TÜV Rheinland Industrie Service GmbH bestätigt, dass es sich bei der genannten Energieerzeugungseinheit (EZE) Typ-2 nach VDE-AR-N 4110 und VDE-AR-N 4120 sowie gemäß FGW TR 8, um einen Prototypen handelt, der in der Lage ist die technischen Anforderungen der Normen zu erfüllen. Es wird davon ausgegangen, dass die Anforderungen der FGW TR 8 im Rahmen einer Zertifizierung erfüllt werden. / TÜV Rheinland Industrie Service GmbH confirms that the mentioned Power Generating Unit (PGU Type-2) is a prototype according to VDE-AR-N 4110 and VDE-AR-N 4120 as well as according to FGW TR 8, which is able to meet the technical requirements of the standards. It is assumed that the requirements of FGW TR 8 are fulfilled within the scope of a certification. |
| Inbetriebnahme der ersten EZE /<br>Commissioning of the first PGU                                                                               | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Datum / Date                                                                                                                                    | 2025-03-31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gültig bis / Valid until                                                                                                                        | 2027-03-31<br>Die Details zur Gültigkeit im Kapitel 1.3 sind entsprechend zu beachten. /<br>The details on validity in chapter 1.3 must be observed accordingly.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Diese Prototypenbestätigung darf nicht auszugsweise verwendet werden.</b><br><b>This prototype confirmation may not be used in extracts.</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Köln, 2025-03-31<br>TÜV Rheinland Industrie Service GmbH<br>Am Grauen Stein, D-51105 Köln                                                       | Dipl.-Ing. Marco Klose<br>Specialist Certifier<br><br>M.Sc. Stefan Bekic<br>Assessor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

18/222 12.12 E A4 © TÜV, TÜV and TÜV are registered trademarks. Utilization and application requires prior approval.

[www.tuv.com/power-grid](http://www.tuv.com/power-grid)

Akkreditiert nach DIN EN ISO/IEC 17065

 **TÜVRheinland®**  
Precisely Right.

| CERTIFICATE<br>of Conformity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                              |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Registration No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | A3 50668403 0001                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                               |  |
| Report No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CN258BS3 001                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                               |  |
| Holder:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Langfang IN-Power Electric Co., Ltd.<br>No.68 Lotus Rd. Economic & Technical<br>Development Zone<br>Langfang<br>065001 Hebei<br>P.R. China                                        |                                                                                                                                                                                                                                                                                                                                                                               |  |
| Product:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Converter<br>(Power Conversion System)                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                               |  |
| Identification:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Type Designation: INPPCS-125/0.4-W-14-A2-OS<br>Serial Number : 13225107001<br>Firmware Version: DSP: 1197 ARM: 1852<br>Remark : Refer to test report CN258BS3 001<br>for details. |                                                                                                                                                                                                                                                                                                                                                                               |  |
| Tested acc. to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | VDE-AR-N 4105/11.18<br>DIN VDE V 0124-100/06.20                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                               |  |
| <p>The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.</p> <p>Durch die DAkkS nach<br/>DIN EN ISO/IEC 17065:2013<br/>akkreditierte Zertifizierungsstelle.<br/>Die Akkreditierung gilt nur für den in der<br/>Urkundenanlage D-ZE-14169-01-02<br/>aufgeführten Akkreditierungsumfang.</p> <p>Certification Body<br/>A. Chen</p> <p></p>                                                                                                                                                                                        |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                               |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 01.04.2025                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                               |  |
| TÜV Rheinland LGA Products GmbH · Tillystraße 2 · 90431 Nürnberg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                               |  |
| Zertifikatsnummer: A3 50668403 0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                   | Konformitätsnachweis                                                                                                                                                                                                                                                                                                                                                          |  |
| Genehmigungsinhaber:<br>License holder:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                   | Langfang IN-Power Electric Co., Ltd.<br>No.68 Lotus Rd. Economic & Technical Development Zone, Langfang, Hebei.<br>065001, P.R.China                                                                                                                                                                                                                                          |  |
| Produkttyp:<br>Type of product                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                   | Wechselrichter                                                                                                                                                                                                                                                                                                                                                                |  |
| Modell:<br>Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                   | INPPCS-125/0.4-W-14-A2-OS                                                                                                                                                                                                                                                                                                                                                     |  |
| Firmwareversion:<br>Firmware version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                   | DSP: 1197 ARM: 1852                                                                                                                                                                                                                                                                                                                                                           |  |
| Standard:<br>Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                   | VDE-AR-N 4105/11.18<br>DIN VDE V 0124-100/06.20                                                                                                                                                                                                                                                                                                                               |  |
| Prüferkennnummer:<br>Report No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                   | CN258BS3 001                                                                                                                                                                                                                                                                                                                                                                  |  |
| Ausstellungsdatum:<br>Date of issue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                   | 01.04.2025                                                                                                                                                                                                                                                                                                                                                                    |  |
| <p>Die Konformitätsprüfung bezieht sich auf das oben genannte Produkt. Hiermit wird überprüft, ob die Probe den oben genannten Bewertungsanforderungen entspricht. Diese Überprüfung impliziert keine Beurteilung der Herstellung des Produkts und erlaubt nicht die Verwendung eines TÜV Rheinland-Konformitätszeichens. The verification of conformity refers to the above mentioned product. This is to verify that the specimen is in conformity with the assessment requirement mentioned above. This verification does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.</p> <p><br/>A. Chen<br/>Zertifizierungsstelle</p> <p></p> |                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                               |  |
| Seite 1 von 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                   | <p>TÜV Rheinland LGA Products GmbH<br/>Tillystraße 2 · 90431 Nürnberg · Germany</p> <p> DAkkS<br/>Deutsche<br/>Akkreditierungsstelle<br/>D-ZE-14169-01-02</p> <p> TÜVRheinland®<br/>Precisely. Right.</p> |  |

|    |                           |                                 |                                      |                  |       |                    |        |             |
|----|---------------------------|---------------------------------|--------------------------------------|------------------|-------|--------------------|--------|-------------|
| ▼  | INPPCS-125/0,4-W-14-A2-05 | Speicher                        | Langfang IN-Power Electric Co., Ltd. | 125 kW           | 400 V | Zertifikat         | Gültig | Verifiziert |
|    |                           |                                 |                                      |                  |       |                    |        |             |
| it | ZEREZ ID des Zertifikates | Zertifizierungsstelle           | Zertifikatsstatus                    | Hochgeladen am   |       | Zertifikatsprüfung |        |             |
|    | ZE-A4XZ-6K6N              | TÜV Rheinland LGA Products GmbH | Gültig                               | 07.04.2025 17:40 |       | Verifiziert        |        |             |

4、比利时并网认证

CERTIFICATE

of Conformity

Registration No.:

AK 50683465 0001

Report No.:

CN25NW90 001

Holder:

Langfang IN-Power Electric Co., Ltd.  
No.68 Lotus Rd,Economic & Technical  
Development Zone  
Langfang,  
065001 Hebei  
P.R. China

Product:

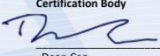
Converter  
(Power Conversion System)

Type designation listed on the next page

The certificate of conformity refers to the above-mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned on the next page. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Date: 2025-06-27

Certification Body



Dean Cao



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

www.tuv.com

Page 1 of 2

CERTIFICATE

of Conformity

Registration No.:

AK 50683465 0001

Product:

Converter  
(Power Conversion System)

Tested according to:

C10/11:2021 ed. 2.2

Identification:

Type Designation  
  
INPPCS-125/0.4-W-14-A2-05  
INPPCS-100/0.4-W-14-A2-05  
  
Firmware Version : DSP: 1197, ARM: 1852  
Remark(s) : Refer to report CN25NW90 001 for details.



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

www.tuv.com

Page 2 of 2

## 5、法国并网认证



6、奥地利并网认证（已列名）

**CERTIFICATE**  
of Conformity

  
TÜV Rheinland

Registration No.: A3 50682197 0001

Report No.: CN2570J3 001

Holder: **Langfang IN-Power Electric Co., Ltd.**  
No.68 Lotus Rd, Economic & Technical  
Development Zone  
Langfang,  
065001 Hebei  
P.R. China

Product: **Storage Power Conversion System**  
(Power Conversion System)

Identification: Type Designation : INPPCS-125/0.4-W-14-A2-OS  
INPPCS-100/0.4-W-14-A2-OS  
Firmware Version : DSP: 1197, ARM: 1852  
Remark(s) : Refer to report CN2570J3 001 for details.

Tested acc. to: TOR Stromerzeugungsanlagen Typ A Version 1.3:2024  
TOR Stromerzeugungsanlagen Typ B Version 1.3:2024  
OVE-Richtlinie R25/03.20

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Durch die DAkkS nach  
DIN EN ISO/IEC 17065:2013  
akkreditierte Zertifizierungsstelle.  
Die Akkreditierung gilt nur für den in der  
Urkundenanlage D-ZE-14169-01-02  
aufgeführten Akkreditierungsumfang.

Date 18.06.2025

Certification Body  
Bowen Dong

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

Zertifikatsnummer: A3 50682197 0001

Certificate No.:

**Konformitätsnachweis**

Genehmigungsinhaber: Langfang IN-Power Electric Co., Ltd.  
License Holder No.68 Lotus Rd, Economic & Technical Development Zone, Langfang,  
065001 Hebei, P.R.China

Produkttyp: Power Conversion System  
Type of product

Modell: INPPCS-125/0.4-W-14-A2-OS, INPPCS-100/0.4-W-14-A2-OS  
Model

Firmwareversion: DSP: 1197 ARM: 1852  
Firmware version

Standard: TOR Stromerzeugungsanlagen Typ A Version 1.3:2024  
Standard TOR Stromerzeugungsanlagen: Anschluss und Parallelbetrieb von  
Stromerzeugungsanlagen des Typs A und von Kleinsterzeugungsanlagen  
TOR Stromerzeugungsanlagen Typ B Version 1.3:2024  
Anschluss und Parallelbetrieb von Stromerzeugungsanlagen des Typs B  
OVE-Richtlinie R25/03.20  
Exigences d'essai pour les générateurs prévus pour être raccordés et  
fonctionner en parallèle avec les réseaux de distribution à basse-tension

Prüfberichtsnummer: CN2570J3 001  
Report No.

Ausstellungsdatum: 18.06.2025  
Date of issue

Die Konformitätsprüfung bezieht sich auf das oben genannte Produkt. Hiermit wird überprüft, ob die Probe den oben genannten Bewertungsanforderungen entspricht. Diese Überprüfung impliziert keine Beurteilung der Herstellung des Produkts und erlaubt nicht die Verwendung eines TÜV-Rheinland-Konformitätszeichens.

The verification of conformity refers to the above mentioned product. This is to verify that the specimen is in conformity with the assessment requirement mentioned above. This verification does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Bowen Dong  
Zertifizierungsstelle

  
TÜV Rheinland  
Precisely Right.

TÜV Rheinland LGA Products GmbH  
Tillystraße 2 - 90431 Nürnberg - Germany

  
Deutsche  
Akkreditierungsstelle  
D-ZE-14169-01-02

## 7、英国并网认证（已列名）



| Connect Direct           |                  |            |             |                           |     |      |        |    |  |
|--------------------------|------------------|------------|-------------|---------------------------|-----|------|--------|----|--|
| Click to start search... |                  |            |             |                           |     |      |        |    |  |
| 设置及其他 (Alt+F)            |                  |            |             |                           |     |      |        |    |  |
| 注册/登录                    |                  |            |             |                           |     |      |        |    |  |
| 我的世代设备                   |                  |            |             |                           |     |      |        |    |  |
| 过滤器                      |                  |            |             |                           |     |      |        |    |  |
| 系统参考                     | 合规地位             | 按降序排列的发布日期 | 制造商         | 模型                        | 类别  | 类型   | 容量(千瓦) | 阶段 |  |
| ● LANGF/18204/V1         | ● 合规 - 需要 DNO 确认 | 2/8/2025   | 廊坊市在电电力有限公司 | INPPCS-100/0.4-W-14-A2-OS | 逆变器 | 储能装置 | 100    | 3  |  |
| ● LANGF/18201/V1         | ● 合规 - 需要 DNO 确认 | 2/8/2025   | 廊坊市在电电力有限公司 | INPPCS-125/0.4-W-14-A2-OS | 逆变器 | 储能装置 | 125    | 3  |  |
| LANGF/17228/V1/A2        | ● 合规 - 需要 DNO 确认 | 26/3/2025  | 廊坊市在电电力有限公司 | INPPCS-100/0.4-W-24-C1-OS | 逆变器 | 储能装置 | 100    | 3  |  |
| LANGF/17227/V1/A1        | ● 合规 - 需要 DNO 确认 | 26/3/2025  | 廊坊市在电电力有限公司 | INPPCS-100/0.4-W-14-C1-OS | 逆变器 | 储能装置 | 100    | 3  |  |

8、捷克并网认证

CERTIFICATE

of Conformity

Registration No.:

AK 50686317 0001

Report No.:

CN25CN14 001

Holder:

Langfang IN-Power Electric Co., Ltd.  
No.68 Lotus Rd,Economic & Technical  
Development Zone  
Langfang,  
065001 Hebei  
P.R. China

Product:

Converter  
(Power Conversion Equipment)

Type designation listed on the next page

The certificate of conformity refers to the above-mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned on the next page. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Date: 2025-07-31

Certification Body

  
A. Chen



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

www.tuv.com

Page 1 of 2

CERTIFICATE

of Conformity

Registration No.:

AK 50686317 0001

Product:

Converter  
(Power Conversion Equipment)

Tested according to:

PPDS:2022

Identification:

Type Designation  
  
INPPCS-125/0.4-W-14-A2-05  
INPPCS-100/0.4-W-14-A2-05  
  
Firmware Version : DSP: 1197, ARM: 1852  
Remark(s) : Refer to report CN25CN14 001  
for details.



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

www.tuv.com

Page 2 of 2

9、瑞典并网认证

CERTIFICATE

of Conformity

Registration No.:

AK 50686319 0001

Report No.:

CN2548YK 001

Holder:

Langfang IN-Power Electric Co., Ltd.  
No.68 Lotus Rd,Economic & Technical  
Development Zone  
Langfang,  
065001 Hebei  
P.R. China

Product:

Converter  
(Power Conversion Equipment)

Type designation listed on the next page

The certificate of conformity refers to the above-mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned on the next page. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Date: 2025-07-31

Certification Body

  
A. Chen



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

www.tuv.com

TÜVRheinland®  
Precisely Right.

Page 1 of 2

CERTIFICATE

of Conformity

Registration No.:

AK 50686319 0001

Product:

Converter  
(Power Conversion Equipment)

Tested according to:

EIFS 2018:2

Identification:

Type Designation  
  
INPPCS-125/0.4-W-14-A2-05  
INPPCS-180/0.4-W-14-A2-05  
  
Firmware Version : DSP: 1197, ARM: 1852  
Remark(s) : Refer to report CN2548YK 001  
for details.



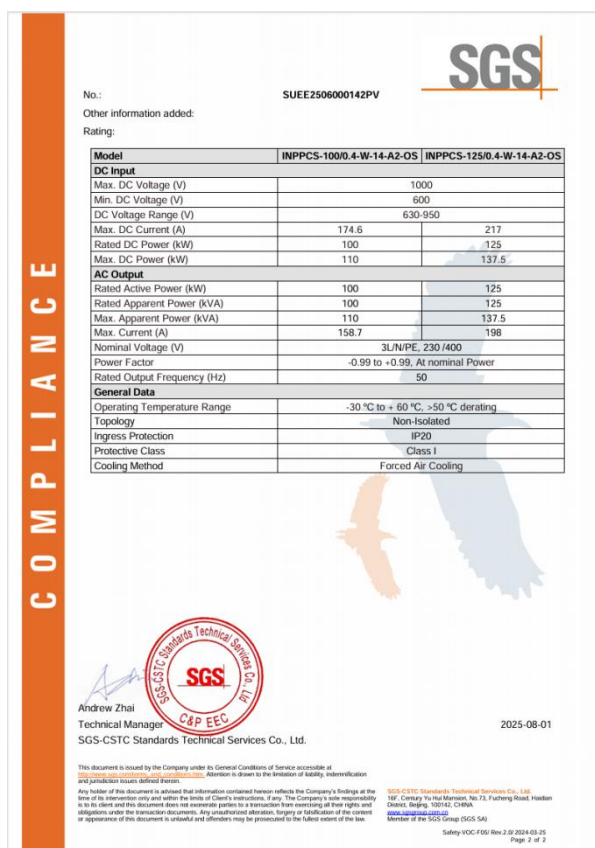
TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

www.tuv.com

TÜVRheinland®  
Precisely Right.

Page 2 of 2

## 10、南非并网认证





Report No.: KSEM250700191401  
Page: 1 of 38

## TEST REPORT

|                                    |                                                                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Application No.:</b>            | KSEMS207001914P1V                                                                                                               |
| <b>Applicant:</b>                  | Langfang In-Power Electric Co., Ltd.                                                                                            |
| <b>Address of Applicant:</b>       | No. 68 Lotus Rd, Economic & Technical Development Zone, Langfang, Hebei, 065001, P.R.China                                      |
| <b>Manufacturer:</b>               | Langfang In-Power Electric Co., Ltd.                                                                                            |
| <b>Address of Manufacturer:</b>    | No. 68 Lotus Rd, Economic & Technical Development Zone, Langfang, Hebei, 065001, P.R.China                                      |
| <b>Factory:</b>                    | IN-POWER Energy Technology (Huizhou) Co., Ltd                                                                                   |
| <b>Address of Factory:</b>         | 1F & 6F, Workshop 2, No.9, Zhongkai Science City Siluan Road(S), Zhongkai High-tech Zone, Huizhou Guangdong, P.R. China         |
| <b>Equipment Under Test (EUT):</b> |                                                                                                                                 |
| <b>EUT Name:</b>                   | Power Conversion System                                                                                                         |
| <b>Model No.:</b>                  | INPPCS-1250.4-W-14-A2-OS,INPPCS-1000.4-W-14-A2-OS ▲                                                                             |
| ▲                                  | Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical. |
| <b>Standard(s) :</b>               | CISPR11:2024                                                                                                                    |
| <b>Date of Receipt:</b>            | 2025-07-07                                                                                                                      |
| <b>Date of Test:</b>               | 2025-07-17 to 2025-07-17                                                                                                        |
| <b>Date of Issue:</b>              | 2025-07-23                                                                                                                      |
| <b>Test Result:</b>                | Pass*                                                                                                                           |

\* In the configuration tested, the EUT complied with the standards specified above.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sas.com/en/Terms-and-Conditions> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sas.com/en/Terms-and-Conditions/Terms-e-Document>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues outlined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Complete Certification Services (Kunshan) Inc.  
昆山电子科技(昆山)有限公司  
No. 10 Weiye Road, Development Zone, Kunshan, Jiangsu, China  
中国·江苏省昆山市开发区伟业路10号 215301  
1396-5125725588  
www.kspage.com.cn  
www.kspage.com.cn

CCSEM-TRE-001 Rev. 03 Dec 18, 2024

Member of the NIS Group (NIS SA)



Report No.: KSEM250700191401  
Page: 2 of 38

| Revision Record |             |            |        |
|-----------------|-------------|------------|--------|
| Version         | Description | Date       | Remark |
| 00              | Original    | 2025-07-23 | /      |
|                 |             |            |        |
|                 |             |            |        |

|                          |                         |  |
|--------------------------|-------------------------|--|
| Authorized for Issue by: |                         |  |
| Tested By                | <i>Kun Gu</i>           |  |
|                          | Kun_Gu/Project Engineer |  |
| Approved By              | <i>Terry Hon</i>        |  |
|                          | Terry Hon/Assistant     |  |

CCSEM-TRE-001 Rev. 03 Dec 18, 2024



Report No.: KSEM250700191401  
Page: 3 of 38

## 2 Test Summary

| Emission Part                                           |              |                                                  |                 |        |
|---------------------------------------------------------|--------------|--------------------------------------------------|-----------------|--------|
| Item                                                    | Standard     | Method                                           | Requirement     | Result |
| Conducted Emissions at AC Mains Power Port (9kHz-30MHz) | CISPR11:2024 | CISPR11:2024<br>(9-150KHz Limit of IEC 61000-22) | Group 1 Class A | Pass   |
| Conducted Emissions at DC Power Port (9kHz-30MHz)       | CISPR11:2024 | CISPR11:2024<br>(9-150KHz Limit of IEC 61000-22) | Group 1 Class A | Pass   |

Model No.: INPPCS-125/0.4-W-14-A2-OS, INPPCS-100/0.4-W-14-A2-OS

Only the model INPPCS-125/0.4-W-14-A2-OS was tested.

There are series models mentioned in this report, and they are the similar in electrical and electronic characters. Only the model INPPCS-125/0.4-W-14-A2-OS was tested since their differences are the model number and appearance.

CCSEM-TRE-001 Rev. 03 Dec 18, 2024

11、荷兰并网认证

**CERTIFICATE**  
of Conformity

  
TÜV Rheinland

Registration No.: A3 50693196 0001

Report No.: CN25RNAC 001

Holder: **Langfang IN-Power Electric Co., Ltd.**  
No.68 Lotus Rd, Economic & Technical  
Development Zone  
Langfang,  
065001 Hebei  
P.R. China

Product: **Converter**  
(Power Conversion System)

Identification: Type Designation : INPPCS-125/0.4-W-14-A2-OS  
INPPCS-100/0.4-W-14-A2-OS  
Firmware version : DSP:1197 ARM:1852  
Remark : Refer to report CN25RNAC 001 for details.

Tested acc. to: PGMcv 1.4

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Date 01.09.2025

Durch die DAkkS nach  
DIN EN ISO/IEC 17065:2013  
akkreditierte Zertifizierungsstelle.  
Die Akkreditierung gilt nur für den in der  
Urkundenanlage D-ZE/14169-01-02  
aufgeführten Akkreditierungsbereich.

Certification Body  
  
Bowen Dong

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

Certificaat nr.: A3 50693196 0001

**Certificaat van overeenstemming**

Licentiehouder: **Langfang IN-Power Electric Co., Ltd.**  
No.68 Lotus Rd, Economic & Technical Development Zone, Langfang,  
065001, Hebei, P.R.China

Soort product: Stroomconversiesysteem

Model: INPPCS-125/0.4-W-14-A2-OS, INPPCS-100/0.4-W-14-A2-OS

Firmware versie: DSP:1197 ARM:1852

Standaard: **PGMcv 1.4**  
Conformiteitscontrole van vermogensopwekkende modules -  
Vermogensopwekkende modules type B, C en D volgens NC RIG en Netcode  
elektriciteit - Versie 1.4 - Geldig vanaf 8 november 2022

Rapport nr.: CN25RNAC 001

Datum van afgifte: 01.09.2025

De conformiteitscontrole heeft betrekking op het bovengenoemde product. Dit is om na te gaan of het monster voldoet aan de hierboven genoemde beoordelingsvereiste. Deze controle houdt geen beoordeling van de productie van het product in en staat het gebruik van een TÜV Rheinland-conformiteitsmerk niet toe.

  
Bowen Dong  
Certificatie

  
TÜV Rheinland  
Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH  
Am Grauen Stein 29 · 51105 Köln · Germany

  
DAkkS  
Deutsche  
Akkreditierungsstelle  
D-ZE-14169-01-02

  
TÜV Rheinland®  
Precisely Right.

12、澳大利亚并网认证

Certificate Number: AZ 69028684 Page: 0001

**CERTIFICATE OF SUITABILITY**

Authorised marking: TUV-028684-E

TÜV Rheinland Australia Pty Ltd "Electrical Product Safety Certification (EPSC) Scheme", accredited by JAS-ANZ in accordance with ISO/IEC 17065, has issued this certificate under JAS-ANZ accreditation. The electrical equipment described hereunder has been evaluated and complied with the standard(s) listed below in accordance with the scheme herein and met the minimum safety requirements contained in Australian Standard AS/NZS 3820 as of current. It is a requirement that all equipment supplied under this certificate shall be identical to the equipment as certified.

**CERTIFICATE HOLDER:** Langfang IN-Power Electric Co., Ltd.  
No.68 Lotus Rd, Economic & Technical Development Zone  
Langfang,  
065001 Hebei  
P.R. China

**DESCRIPTION OF ELECTRICAL EQUIPMENT**

**Declared class:** Non-declared  
**Product:** Power Conversion System  
**Trade Name / Manufacturer:** IN-Power  
**Model Number:** INPPCS-125/0.4-W-14-A2-OS, INPPCS-100/0.4-W-14-A2-OS  
**Ratings:** Ratings refer to Continuation Sheet 1 for details  
**Condition(s):** N/A  
**Standard:** AS/NZS 4777.2:2020+A1:2021+A2:2024  
AS IEC 62477.1:2024

**Issue Date:** 03-09-2025  
**Expiry Date:** 03-09-2030

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

  
Rafeeqe Mohamed

  
TÜV Rheinland Australia Pty Ltd  
182 Dougherty Road, Heidelberg West, VIC 3081  
Phone: +61 (3) 9450 1400  
Email: [certification@au.tuv.com](mailto:certification@au.tuv.com)  
Website: [www.au.tuv.com](http://www.au.tuv.com)  
[www.tuv.com](http://www.tuv.com)

TÜV Rheinland Australia Pty Ltd  
182 Dougherty Road, Heidelberg West, VIC 3081  
Phone: +61 (3) 9450 1400  
Email: [certification@au.tuv.com](mailto:certification@au.tuv.com)  
Website: [www.au.tuv.com](http://www.au.tuv.com)  
[www.tuv.com](http://www.tuv.com)

TÜV Rheinland Australia Pty Ltd  
182 Dougherty Road, Heidelberg West, VIC 3081  
Phone: +61 (3) 9450 1400  
Email: [certification@au.tuv.com](mailto:certification@au.tuv.com)  
Website: [www.au.tuv.com](http://www.au.tuv.com)  
[www.tuv.com](http://www.tuv.com)

Certificate Number: AZ 69028684 Page: 0002

**CERTIFICATE OF SUITABILITY**

**CONTINUATION SHEET 1**

CONTINUATION SHEET 1  
General:  
Protection: Class I, IP20, PD 2  
Operating Temp.: -30°C to 60°C  
Overvoltage Category (OVC): DC II; Mains: III  
Inverter topology: Non-isolated  
AC Side(Grid):  
Rated Output voltage: 3L/N/PE, 400 /230  
Max current: 158.7, 198A a.c.  
Rated frequency: 50/60Hz,  
Rated AC Power: 100, 125kW  
Rated AC apparent Power: 100, 125kVA  
Max. AC Power: 110, 137.5kW  
Max. AC apparent Power: 110, 137.5kVA  
Rated current: 144.3, 180A a.c.  
Power factor: 0.99 ~ 0.99  
AC Side(Off-Grid):  
Rated Output voltage: 3L/N/PE, 400 /230  
Max current: 158.7, 198A a.c.  
Rated frequency: 50/60Hz,  
Rated AC Power: 100, 125kW  
Rated AC apparent Power: 100, 125kVA  
Rated current: 144.3, 180A a.c.  
Power factor: 0.99 ~ 0.99  
DC Side:  
Battery rated Voltage range: 630V ~ 950V d.c.  
Max. DC voltage: 1000V d.c.  
Max. DC current: 174.6, 217A d.c.  
Max. DC Power: 110, 137.5kW  
Rated DC Power: 100, 125kW

**Issue Date:** 03-09-2025  
**Expiry Date:** 03-09-2030

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

  
Rafeeqe Mohamed

  
TÜV Rheinland Australia Pty Ltd  
182 Dougherty Road, Heidelberg West, VIC 3081  
Phone: +61 (3) 9450 1400  
Email: [certification@au.tuv.com](mailto:certification@au.tuv.com)  
Website: [www.au.tuv.com](http://www.au.tuv.com)  
[www.tuv.com](http://www.tuv.com)

TÜV Rheinland Australia Pty Ltd  
182 Dougherty Road, Heidelberg West, VIC 3081  
Phone: +61 (3) 9450 1400  
Email: [certification@au.tuv.com](mailto:certification@au.tuv.com)  
Website: [www.au.tuv.com](http://www.au.tuv.com)  
[www.tuv.com](http://www.tuv.com)

TÜV Rheinland Australia Pty Ltd  
182 Dougherty Road, Heidelberg West, VIC 3081  
Phone: +61 (3) 9450 1400  
Email: [certification@au.tuv.com](mailto:certification@au.tuv.com)  
Website: [www.au.tuv.com](http://www.au.tuv.com)  
[www.tuv.com](http://www.tuv.com)

13、西班牙并网认证

**SGS**

**Certificado de Conformidad**

Por medio del certificado de producto número / By the product certificate number **Nº 250350REC003-A-CER**

Emisor a: / Issued to: **Langfang In-Power Electric Co., Ltd.**  
Propietario de la licencia: / License holder: North of Hefu Street, Langfang Development Zone, Hebei Province, China  
Marca: / Trademark: **IN-POWER 英能电力**

Dirección de fábrica: / Factory location: **IN-POWER Energy Technology (Huizhou) Co., Ltd**  
1F & 6F, Workshop 2, No.9, Zhongkai Section Sihuan Road(S), Zhongkai High-tech Zone, Huizhou Guangdong, China

Se certifica que el producto: / It is certified that the product: **Sistema de conversión de potencia / Power Conversion System**

Tipo de aparato: / Type of product: **Modelos / Models: INPPCS-1000.4-W-14-A2-OS INPPCS-1250.4-W-14-A2-OS**

| Datos técnicos: / Rated characteristics:             | Potencia nominal / Rated power    | 100 kVA | 125 kVA |
|------------------------------------------------------|-----------------------------------|---------|---------|
| Tensión nominal / Rated voltage                      | 230/400 V <sub>AC</sub>           |         |         |
| Frecuencia nominal / Rated frequency                 | 50 Hz                             |         |         |
| Versión firmware / Firmware version                  | DSP-1197, ARM-1852                |         |         |
| Número de fases / Number of phases                   | Trifásico / Three-phase (3L/N/PE) |         |         |
| Transformador de aislamiento / Isolation transformer | No / No                           |         |         |

Está en cumplimiento con la norma de ensayos: / Is in compliance with the test standard:

- **UNE 217002: 2020** Inversores para conexión a la red de distribución. Ensayos de los requisitos de inyección de corriente continua a la red, generación de sobretensiones y sistema de detección de funcionamiento en isla.

teniendo en cuenta los requisitos aplicables de la norma y regulación: / taking into account the applicable requirements of the standard and regulation:

- **IEC 62116:2014** "Utility-interconnected photovoltaic inverters-Test procedure of islanding prevention measures"
- **Anexo I, apartado 2.3.6 y 5.3 de la Orden Ministerial TED/749/2020**, de 16 de julio, por la que se establecen los requisitos técnicos para la conexión a la red necesarios para la implementación de los códigos de red de conexión.

El equipo antes mencionado está certificado conforme con el procedimiento interno de SGS PET-ECPE-23 de acuerdo con los requisitos de la norma UNE-EN ISO/IEC 17065. / The above-mentioned generating unit is certified according to the SGS internal procedure PET-ECPE-23 based on the requirements of the UNE-EN ISO/IEC 17065.

Este certificado se emite por vez primera el 4 de septiembre de 2025. / This certificate is first issued on 4<sup>th</sup> September 2025.  
Este certificado es válido hasta el 4 de septiembre de 2030. / This certificate is valid until the 4<sup>th</sup> September 2030.

Madrid, 4 de septiembre de 2025 / Madrid, 4<sup>th</sup> September 2025

Marta J. González Soría  
Certificadora

 **SGS**         

SGS Tecnos, S.A.U. C/ Trepademe, 29 - 28042 Madrid  
This certificate is issued by SGS under its General Conditions for Product Certification at [www.sgs.com](https://www.sgs.com) and applicable regulations.  
The status and validity of the certificate can be checked scanning the QR code above included or through the following web [www.sgs.com](https://www.sgs.com).  
This document cannot be reproduced partially.

   Nº 250350REC003-A-CER  
Página 1 de 1

**SGS**

**Certificado de Conformidad**

Por medio del certificado de producto número / By the product certificate number **Nº 250350REC003-B-CER**

Emisor a: / Issued to: **Langfang In-Power Electric Co., Ltd.**  
Propietario de la licencia: / License holder: North of Hefu Street, Langfang Development Zone, Hebei Province, China  
Marca: / Trademark: **IN-POWER 英能电力**

Dirección de fábrica: / Factory location: **IN-POWER Energy Technology (Huizhou) Co., Ltd**  
1F & 6F, Workshop 2, No.9, Zhongkai Section Sihuan Road(S), Zhongkai High-tech Zone, Huizhou Guangdong, China

Se certifica que el producto: / It is certified that the product: **Sistema de conversión de potencia / Power Conversion System**

Tipo de aparato: / Type of product: **Modelos / Models: INPPCS-1000.4-W-14-A2-OS INPPCS-1250.4-W-14-A2-OS**

| Datos técnicos: / Rated characteristics:             | Potencia nominal / Rated power    | 100 kVA | 125 kVA |
|------------------------------------------------------|-----------------------------------|---------|---------|
| Tensión nominal / Rated voltage                      | 230/400 V <sub>AC</sub>           |         |         |
| Frecuencia nominal / Rated frequency                 | 50 Hz                             |         |         |
| Versión firmware / Firmware version                  | DSP-1197, ARM-1852                |         |         |
| Número de fases / Number of phases                   | Trifásico / Three-phase (3L/N/PE) |         |         |
| Transformador de aislamiento / Isolation transformer | No / No                           |         |         |

Está en cumplimiento con los requisitos de las regulaciones: / Is in compliance with the requirements of the regulations:

- **RD 647/2020**, de 7 de julio, por el que se regulan aspectos necesarios para la implementación de los códigos de red de conexión de determinadas instalaciones eléctricas. (\*)
- **RD 413/2014**, de 6 de junio, por el que se regula la actividad de producción de energía eléctrica a partir de fuentes de energía renovables, cogeneración y residuos. (\*)
- **RD 1699/2011**, de 18 de noviembre, por el que se regula la conexión a red de instalaciones de producción de energía eléctrica de pequeña potencia. (\*)

(\*) Observación: Sendo **SOLO** certificadas las prescripciones técnicas aplicables a los requisitos para funciones de protección ante variaciones anómalas de tensión y frecuencia, auto-reconexión y factor de potencia en la red, según viene definido en el Real Decreto 647/2020. / (\*) Remark: Being **ONLY** certified the technical prescriptions applicable to the protective functions requirements for voltage and frequency abnormal variations, self-reconnection and power factor in the grid, as stated in the Real Decreto 647/2020.

El equipo antes mencionado está certificado conforme con el procedimiento interno PROCESO 4 de SGS de acuerdo con los requisitos de la norma UNE-EN ISO/IEC 17065. / The above-mentioned generating unit is certified according to the SGS internal procedure PROCESO 4 based on the requirements of the UNE-EN ISO/IEC 17065.

Este certificado se emite por vez primera el 4 de septiembre de 2025. / This certificate is first issued on 4<sup>th</sup> September 2025.  
Este certificado es válido hasta el 4 de septiembre de 2030. / This certificate is valid until the 4<sup>th</sup> September 2030.

Madrid, 4 de septiembre de 2025 / Madrid, 4<sup>th</sup> September 2025

Marta J. González Soría  
Certificadora

 **SGS**         

SGS Tecnos, S.A.U. C/ Trepademe, 29 - 28042 Madrid  
This certificate is issued by SGS under its General Conditions for Product Certification at [www.sgs.com](https://www.sgs.com) and applicable regulations.  
The status and validity of the certificate can be checked scanning the QR code above included or through the following web [www.sgs.com](https://www.sgs.com).  
This document cannot be reproduced partially.

 Nº 250350REC003-B-CER  
Página 1 de 1