

CERTIFICATE

of Conformity

EC Council Directive 2014/30/EU

Electromagnetic Compatibility

Registration No.: AE 50597231 0001

Report No.: CN23IL95 002

Holder: Ginlong technologies Co., Ltd.
No.57 Jintong Road, Binhai,
(seafront), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Product: **PV-Inverter**
(Grid-connected PV Inverter)

Identification: See type designations in attachment 1.1

Serial No.: n.a.

Remark: Refer to test reports CN23IL95 001-002 for details.

Continued on page 0002.

Tested acc. to: EN IEC 61000-6-4:2019
EN IEC 61000-6-3:2021
EN IEC 61000-6-2:2019
EN IEC 61000-6-1:2019
EN 55011:2016+A1+A11+A2
EN 62920:2017+A11+A1

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. 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.

Certification Body

Date 07.08.2023



Xinhua Lu

Xinhua Lu

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CERTIFICATE
of Conformity
EC Council Directive 2014/30/EU
Electromagnetic Compatibility

Registration No.: AE 50597231 0002

Report No.: CN23IL95 002

Holder: Ginlong technologies Co., Ltd.
No.57 Jintong Road, Binhai,
(seafront), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Product: **PV-Inverter**
(Grid-connected PV Inverter)

Identification: See type designations in attachment 1.1

Serial No.: n.a.

Remark: Refer to test reports CN23IL95 001-002 for details.
Refer to page 0001.

Tested acc. to: IEC 61000-6-1:2016
IEC 61000-6-2:2016
IEC 61000-6-3:2020
IEC 61000-6-4:2018
IEC 62920:2017+A1
CISPR 11:2015+A1+A2

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. 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.

Certification Body

Date 07.08.2023



Xinhua Lu
Xinhua Lu

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

TÜV Rheinland
LGA Products GmbH
Tillystraße 2, 90431 Nürnberg

1.1

**Attachment to
Registration No.:** AE 50597231 0001
Report No.: CN23IL95 002

Manufacturer: Ginlong technologies Co., Ltd.
No.57 Jintong Road, Binhai,
(seafont), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Scope: type designation:
S6-GR1P2.5K-S S6-GR1P3K-S S6-GR1P3.6K-S
S6-GR1P4K-S S6-GR1P4.6K-S S6-GR1P5K-S
S6-GR1P6K-S S6-GR1P2.5K-S-LV S6-GR1P3K-S-LV

Date: 2023-08-07



Certification Body

Xinhua Lu

Ginlong technologies Co., Ltd.

Date : 07.08.2023
Our ref. : Zhangleoh 01
Your ref.: C. Q. Y.

No.57 Jintong Road, Binhai,
(seafront), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Ref : AE Certificate of Conformity EMC

Type of Equipment : Grid-connected PV Inverter
Model Designation : See Certificate
Certificate No. : AE 50597231 0001
Report No. : CN23IL95 002

Dear Ladies and Gentlemen,

We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

Enclosed please find your Certificate of Conformity.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

With kind regards,

Certification Body



Xinhua Lu

CC: Ginlong technologies Co., Ltd.

Enclosure

证书的详细资料请登陆www.certipedia.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

Ginlong technologies Co., Ltd.

Date : 10.08.2023
Our ref. : WHF 01
Your ref.: 2177511

No.57 Jintong Road, Binhai,
(seafront), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Ref : AT RED Conformity

Type of Equipment : Grid-connected PV Inverter
Model Designation : See Certificate
Certificate No. : AT 50597602 0001
Report No. : CN23S3BK 001

Dear Ladies and Gentlemen,

The above specified technical equipment has been tested and found to be in accordance with the relevant requirements.

Enclosed you will find the certificate of approval.


If cancellation of the certificate is submitted by November 15 in a given year, no fee will be charged for the following year.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

Please contact our office for approval of your new products.

With kind regards,

Certification Body



Ying Xie

Enclosure

证书的详细资料请登陆www.certipedia.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

CERTIFICATE
of Conformity
EC Council Directive 2014/53/EU
of Radio Equipment

Registration No.: AT 50597602 0001

Report No.: CN23S3BK 001

Holder: **Ginlong technologies Co., Ltd.**
No.57 Jintong Road, Binhai,
(seafront), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Product: **Radio Equipment**
(Grid-connected PV Inverter)

Identification: S6-GR1P2.5K-S, S6-GR1P3K-S, S6-GR1P3.6K-S, S6-GR1P4K-S,
S6-GR1P4.6K-S, S6-GR1P5K-S, S6-GR1P6K-S
Serial No.: n.a.
Remark: Refer to test report CN23S3BK 001
(Continued on page 0002)

Tested acc. to: EN 300328 V 2.2.2:2019
EN 301489-1 V 2.2.3:2019
EN 301489-17 V 3.2.4:2020
EN IEC 61000-6-1:2019
EN IEC 61000-6-2:2019

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 Article 3 of Council Directive 2014/53/EU. This certificate does not imply assessment of the production and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate as part of the technical documentation and in combination with the EC Declaration of Conformity.

Date 10.08.2023



Certification Body


Ying Xie

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

Phone:(+49/221)806-1371 Fax:(+49/221)806-3935 e-mail: cert-validity@de.tuv.com <http://www.tuv.com/safety>

CERTIFICATE
of Conformity
EC Council Directive 2014/53/EU
of Radio Equipment

Registration No.: AT 50597602 0002

Report No.: CN23S3BK 001

Holder: **Ginlong technologies Co., Ltd.**
No.57 Jintong Road, Binhai,
(seafront), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Product: **Radio Equipment**
(Grid-connected PV Inverter)

Identification: Remark: Refer to page 0001

Tested acc. to: EN IEC 61000-6-3:2021
EN IEC 61000-6-4:2019
EN 62920:2017+A11+A1
EN 55011:2016+A1+A11+A2
EN 62109-1:2010
EN 62109-2:2011
EN 62479:2010

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 Article 3 of Council Directive 2014/53/EU. This certificate does not imply assessment of the production and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate as part of the technical documentation and in combination with the EC Declaration of Conformity.

Date 10.08.2023



Certification Body


Ying Xie

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

Phone:(+49/221)806-1371 Fax:(+49/221)806-3935 e-mail: cert-validity@de.tuv.com <http://www.tuv.com/safety>

CERTIFICATE of Conformity



Registration No.: AK 50577673 0001

Report No.: CN23EOBO 001

Holder: **Ginlong technologies Co., Ltd.**
No.57 Jintong Road, Binhai,
(seafront), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Product: **PV-Inverter**
(Grid-Connected PV Inverter)

Identification: Type Designation : S6-GR1PxxK-S (xx=2.5,3,3.6,4,4.6,5,6)
Serial Number : Engineering Samples
Firmware version : A1
Remark(s) : Refer to report CN23EOBO 001 for details.

Tested acc. to: IEC 61000-3-12:2011+A1
IEC 61000-3-11:2017
IEC 61000-3-2:2018+A1
IEC 61000-3-3:2013+A1+A2

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.

Certification Body

Date 24.03.2023



Weichun Li

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CERTIFICATE of Conformity



Registration No.: AK 50577679 0001

Report No.: CN23NXBZ 001

Holder: **Ginlong technologies Co., Ltd.**
No.57 Jintong Road, Binhai,
(seafront), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Product: **PV-Inverter**
(Grid-Connected PV Inverter)

Identification: Type Designation: S6-GR1PxxK-S (xx=2.5,3,3.6,4,4.6,5,6)
Serial Number : Engineering Samples
Firmware Version: A1
Remark : Refer to report CN23NXBZ 001 for details.

Tested acc. to: IEC 61727:2004
IEC 62116:2014

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.

Certification Body

Date 24.03.2023



Weichun Li

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

Ginlong technologies Co., Ltd.
Qingying Cui

Date : 06.04.2023
Our ref. : Jiangyi 01
Your ref.: Qingying Cui

No.57 Jintong Road, Binhai,
(seafont), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Ref : R TÜV-Bauart-Zeichen o. Akkred. Nr.

Type of Equipment : Grid-connected PV Inverter
Model Designation : See Certificate
Certificate No. : R 50580695 0001
Report No. : CN23ML60 001

Dear Qingying Cui,

The above specified equipment has been tested and found to be in accordance with the relevant requirements.

Please find enclosed your certificate as specified above.

If cancellation of the certificate is submitted by 15 November in a given year, no fee will be charged for the following year.

The certificate is issued with the reservation that the license holder applies all information required in § 6 of the ProdSG related to name and address of the manufacturer or his authorized representative / importer, including their respective contact addresses on the product prior to marketing of the product in the European Economic Area. In case you have a change regarding your involved local representative for the certificate, please inform us in due time.

With kind regards,

Certification Body


Bruce Li

Enclosure

证书的详细资料请登陆www.certipedia.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

Zertifikat

Certificate



Zertifikat Nr. Certificate No.
R 50580695

Blatt Sheet
0001

Ihr Zeichen Client Reference
Qingying Cui

Unser Zeichen Our Reference
01-Jiangyi-CN23ML60 001

Ausstellungsdatum
06.04.2023

Date of Issue
(day/mo/yr)

Genehmigungsinhaber License Holder

Ginlong technologies Co., Ltd.
No.57 Jintong Road, Binhai,
(seafront), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Fertigungsstätte Manufacturing Plant

Ginlong technologies Co., Ltd.
No. 188 Jinkai Road, Binhai Industrial
Park, Xiangshan, Ningbo,
315712 Zhejiang
P.R. China

Prüfzeichen Test Mark



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

www.tuv.com
ID 1111267338

Geprüft nach Tested acc. to

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

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

PV-Wechselrichter (Grid-connected PV Inverter)

Type Designation : 1) S6-GR1P2.5K-S 2) S6-GR1P3K-S 13
3) S6-GR1P3.6K-S 4) S6-GR1P4K-S
Isc PV [Ad.c.] : 22+22
Vmax PV [Vd.c.] : 550
Max. Input Current Ad.c.] : 16+16
MPP Voltage Range [Vd.c.] : 1) 50-550 2) 90-550
3) 90-550 4) 90-550
Overvoltage Category (OVC) : II for PV

Rated Output Volt. [Va.c.] : L+N+PE, 220/230
Rated Output Freq. [Hz] : 50/60
Max. Output Curr. [Aa.c.] : 1) 11.4 2) 13.6
3) 16 4) 18.2
Rated Output Power [kW] : 1) 2.5 2) 3
3) 3.6 4) 4
Power Factor : -0.8 to 0.8
Overvoltage Category (OVC) : III for AC mains

continued on page 0002

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ANLAGE (Appendix) : 1.0



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This 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 manufacturing of the certified product is subject to surveillance.

Zertifizierungsstelle

Bruce Li

Bruce Li

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

http://www.tuv.com/safety E-mail: markcheck@tuv.com
Fax: +49 221 806-3935

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50580695

Blatt *Sheet*
0002

Ihr Zeichen *Client Reference*
Qingying Cui

Unser Zeichen *Our Reference*
01-Jiangyi-CN23ML60 001

Ausstellungsdatum
06.04.2023

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*

Ginlong technologies Co., Ltd.
No.57 Jintong Road, Binhai,
(seafront), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Fertigungsstätte *Manufacturing Plant*

Ginlong technologies Co., Ltd.
No. 188 Jinkai Road, Binhai Industrial
Park, Xiangshan, Ningbo,
315712 Zhejiang
P.R. China

Prüfzeichen *Test Mark*



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

www.tuv.com
ID 1111267338

Geprüft nach *Tested acc. to*

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

**Zertifiziertes Produkt (Geräteidentifikation)
*Certified Product (Product Identification)***

**Lizenzentgelte - Einheit
*License Fee - Unit***

PV-Wechselrichter (Grid-connected PV Inverter)

as page 0001 continuation

Type Designation : 5) S6-GR1P4.6K-S 6) S6-GR1P5K-S 3
7) S6-GR1P6K-S
Isc PV [Ad.c.] : 22+22
Vmax PV [Vd.c.] : 550
Max. Input Current Ad.c.] : 16+16
MPP Voltage Range [Vd.c.] : 90-550
Overvoltage Category (OVC) : II for PV

Rated Output Volt. [Va.c.] : L+N+PE, 220/230
Rated Output Freq. [Hz] : 50/60
Max. Output Curr. [Aa.c.] : 5) 20.9 6) 22.7
7) 27.3
Rated Output Power [kW] : 5) 4.6 6) 5
7) 6
Power Factor : -0.8 to 0.8
Overvoltage Category (OVC) : III for AC mains

continued on page 0003

ANLAGE (Appendix) : 1.0



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This 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 manufacturing of the certified product is subject to surveillance.

Zertifizierungsstelle

Bruce Li

Bruce Li

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

http://www.tuv.com/safety E-mail: markcheck@tuv.com

Fax: +49 221 806-3935

Zertifikat

Certificate



Zertifikat Nr. Certificate No.
R 50580695

Blatt Sheet
0003

Ihr Zeichen Client Reference
Qingying Cui

Unser Zeichen Our Reference
01-Jiangyi-CN23ML60 001

Ausstellungsdatum
06.04.2023

Date of Issue
(day/mo/yr)

Genehmigungsinhaber License Holder

Ginlong technologies Co., Ltd.
No.57 Jintong Road, Binhai,
(seafront), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Fertigungsstätte Manufacturing Plant

Ginlong technologies Co., Ltd.
No. 188 Jinkai Road, Binhai Industrial
Park, Xiangshan, Ningbo,
315712 Zhejiang
P.R. China

Prüfzeichen Test Mark



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

www.tuv.com
ID 1111267338

Geprüft nach Tested acc. to

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

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

PV-Wechselrichter (Grid-connected PV Inverter)

as page 0002 continuation

Protective Class : I
Enclosure Protection (IP) : IP66
Pollution degree (PD) : PD2 (inside), PD3 (outside)
Altitude [m] : 4000
Operating Temperature [°C] : -25 to 60 (>45 derating)
Type of Inverter : Non-isolated

Remark:

The installation has to be carried out according to the
Any additional requirements in countries where the product
is going to be marketed have to be considered additionally.

ANLAGE (Appendix): 1.0

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This 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 manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

http://www.tuv.com/safety E-mail: markcheck@tuv.com
Fax: +49 221 806-3935



Zertifizierungsstelle

Bruce Li

Bruce Li

Ginlong technologies Co., Ltd.
Qingying Cui

Date : 06.04.2023
Our ref. : Jiangyi 01
Your ref.: Qingying Cui

No.57 Jintong Road, Binhai,
(seafront), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment : Grid-connected PV Inverter
Model Designation : See Certificate
Certificate No. : AN 50580715 0001
Report No. : CN23ML60 001

Dear Qingying Cui,

The above specified equipment has been tested and found to be in accordance with the relevant requirements.

Please find enclosed your certificate as specified above.

If cancellation of the certificate is submitted by 15 November in a given year, no fee will be charged for the following year.

The certificate is issued with the reservation that the license holder applies all information required in § 6 of the ProdSG related to name and address of the manufacturer or his authorized representative / importer, including their respective contact addresses on the product prior to marketing of the product in the European Economic Area. In case you have a change regarding your involved local representative for the certificate, please inform us in due time.

With kind regards,

Certification Body



Bruce Li

Enclosure

证书的详细资料请登陆www.certipedia.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

CERTIFICATE



of Conformity
Low Voltage Directive 2014/35/EU

Registration No.: AN 50580715 0001

Report No.: CN23ML6O 001

Holder: **Ginlong technologies Co., Ltd.**
No.57 Jintong Road, Binhai,
(seafront), Industrial Park,
Xiangshan Ningbo
315712 Zhejiang
P.R. China

Product: **PV-Inverter**
(Grid-connected PV Inverter)

Identification: Type Designation: S6-GR1P2.5K-S S6-GR1P3K-S
S6-GR1P3.6K-S S6-GR1P4K-S
S6-GR1P4.6K-S S6-GR1P5K-S
S6-GR1P6K-S
Serial Number : Engineering Samples
Remark(s) : Issued in conjunction with TÜV Rheinland
license R 50580695 pages 0001-0003.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive 2014/35/EU, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-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 Annex IV of the Directive.

Certification Body

Date 06.04.2023



Bruce Li
Bruce Li

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may be used if all relevant and effective EC Directives are complied with.

