


**TEST REPORT**  
**ABNT NBR 16149**  
**Photovoltaic (PV) systems - Characteristics of the connection interface with the**  
**distribution grid**  
**ABNT NBR 16150**  
**Photovoltaic (PV) systems - Characteristics of the distribution grid connection interface -**  
**Conformity test procedure**

Report Reference No..... ERD-CR202108028

Tested by (name + signature)..... Ruyi Pan

Approved by (name + signature)..... 

Date of issue..... 2021-08-30

Laboratory of Tests..... Ginlong technologies Co., Ltd.

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

Test location / address..... Ginlong technologies Co., Ltd.  
 No.57 Jintong Road, Binhai, (seafront) industrial Park, Xiangshan,  
 Ningbo, Zhejiang, 315712, P.R. China

Applicant's name..... Ginlong technologies Co., Ltd.

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

Testing Specification:


Standard..... ABNT NBR 16149:2013

ABNT NBR 16150:2013

ABNT NBR IEC 62116: 2012

ANEXO III – parte 2, Portaria n.º 357, de 0 1 de agosto de 2014

Test Item Description..... Grid-Connected PV inverter

Trade Mark..... 

Manufacturer..... As applicant

Model / Type Reference..... S5-GC50K

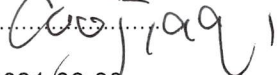
Ratings..... See marking plate

**锦浪科技股份有限公司**  
**GINLONG TECHNOLOGIES CO.,LTD.**

**TEST REPORT**  
**ABNT NBR 16149**  
**Photovoltaic (PV) systems - Characteristics of the connection interface with the**  
**distribution grid**  
**ABNT NBR 16150**  
**Photovoltaic (PV) systems - Characteristics of the distribution grid connection interface -**  
**Conformity test procedure**

Report Reference No..... ERD-CR202108020

Tested by (name + signature)..... Ruyi Pan

Approved by (name + signature)..... 

Date of issue..... 2021-08-30

Laboratory of Tests..... Ginlong technologies Co., Ltd.

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

Test location / address..... Ginlong technologies Co., Ltd.  
 No.57 Jintong Road, Binhai, (seafront) industrial Park, Xiangshan,  
 Ningbo, Zhejiang, 315712, P.R. China

Applicant's name..... Ginlong technologies Co., Ltd.

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

Testing Specification:


Standard..... ABNT NBR 16149:2013

ABNT NBR 16150:2013

ABNT NBR IEC 62116: 2012

ANEXO III – parte 2, Portaria n.º 357, de 01 de agosto de 2014

Test Item Description..... Grid-Connected PV inverter

Trade Mark..... 

Manufacturer..... As applicant

Model / Type Reference..... S5-GC60K

Ratings..... See marking plate

**锦浪科技股份有限公司**  
**GINLONG TECHNOLOGIES CO.,LTD.**



**C E R T I F I C A T E**  
of Conformity  
EC Council Directive 2014/30/EU  
Electromagnetic Compatibility

Registration No.: AE 50533738 0001

Report No.: CN2108WV 003

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: S5-GC50K S5-GC60K S5-GC60K-HV S5-GC70K-HV  
S5-GC25K-LV S5-GC30K-LV S5-GC36K-LV S5-GC37.5K-LV  
Serial No.: n.a.  
Remark: Refer to test reports CN2108WV 001-003 for details.

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  
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.

Date 15.02.2022



Certification Body

Xinhua Lu

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

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

Ginlong technologies Co., Ltd.

Date : 15.02.2022  
Our ref.: Zhangleoh 01  
Your ref.: C. Q. Y.

No.57 Jintong Road, Binhai,  
(seafont), 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 50533738 0001  
Report No. : CN2108WV 003

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.tuvdotcom.com](http://www.tuvdotcom.com)查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

# CERTIFICATE of Conformity



Registration No.: AK 50543133 0001

Report No.: CN21UAC3 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: Type Designation : S5-GC50K S5-GC60K S5-GC60K-HV  
S5-GC70K-HV S5-GC25K-LV S5-GC30K-LV  
S5-GC36K-LV S5-GC37.5K-LV  
Serial Number : Engineering Samples  
Firmware version : A1  
Remark(s) : Refer to report CN21UAC3 002 for details.

Tested acc. to: IEC/TS 61000-3-5:2009  
IEC 61000-3-12:2011

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 09.05.2022



Weichun Li

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

# CERTIFICATE of Conformity



Registration No.: AK 50562510 0001

Report No.: CN21KSGT 003

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 : S5-GC25K-LV S5-GC30K-LV  
S5-GC36K-LV S5-GC37.5K-LV  
S5-GC50K S5-GC60K  
S5-GC60K-HV S5-GC70K-HV  
Serial Number : Engineering Samples  
Firmware version : VD6  
Remark(s) : Refer to report CN21KSGT 003 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 25.10.2022



Weichun Li

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

# CERTIFICATE

of Conformity  
Low Voltage Directive 2014/35/EU



Registration No.: AN 50544345 0001

Report No.: CN21CO02 004

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: S5-GC50K S5-GC60K S5-GC60K-HV  
S5-GC70K-HV S5-GC25K-LV S5-GC30K-LV  
S5-GC36K-LV S5-GC37.5K-LV

Serial Number : Engineering Sample

Remark(s) : Issued in conjunction with TÜV Rheinland  
license R 50503510 0001-0007.

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 16.05.2022



Weichun 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.



Ginlong technologies Co., Ltd.  
Qingying Cui

Date : 16.05.2022  
Our ref. : zhoudav 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 50544345 0001  
Report No. : CN21C002 004

Dear Qingying Cui,

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

Weichun Li

Enclosure

证书的详细资料请登陆[www.certipedia.com](http://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 50503791 0001

Report No.: CN21CO02 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: S5-GC50K S5-GC60K S5-GC60K-HV  
S5-GC70K-HV S5-GC25K-LV S5-GC30K-LV  
S5-GC36K-LV

Serial Number : Engineering Sample  
Remark(s) : Issued in conjunction with TÜV Rheinland  
license R 50503510 0001-0005.

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.



*Bruce Li*  
Bruce Li

Date 10.05.2021

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

Ginlong technologies Co., Ltd.  
Qingying Cui

Date : 10.05.2021  
Our ref. : DJW 01  
Your ref.: Qingying Cui

No.57 Jintong Road, Binhai,  
(seafont), 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 50503791 0001  
Report No. : CN21CO02 001

Dear Qingying Cui,

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

  
Bruce Li

Enclosure

证书的详细资料请登陆[www.certipedia.com](http://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 50503510

Blatt *Sheet*  
0001

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
Qingying Cui	01-DJW-CN21CO02 001	10.05.2021	(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.57 Jintong Road, Binhai,  
(seafront), Industrial Park,  
Xiangshan Ningbo  
315712 Zhejiang  
P.R. China

## Prüfzeichen *Test Mark*



Bauart geprüft  
Sicherheit  
Regelmäßige  
Produktions-  
überwachung

www.tuv.com  
ID 1111239703

## 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	: S5-GC50K S5-GC60K	11
Vmax PV [Vd.c.]	: 1100	
Isc PV [Ad.c.]	: 50*5 50*6	
MPP Voltage Range [Vd.c.]	: 180-1000	
Max. Input Current Ad.c.]	: 32*5 32*6	
Overvoltage Category (OVC)	: II for PV	
Rated Output Volt. [Va.c.]	: 3/N/PE, 380/400	
Rated Output Freq. [Hz]	: 50/60	
Rated Output Power [W]	: 50000 60000	
Max. Output Curr. [Aa.c.]	: 83.6 100.3	
Power Factor	: [-0.80, 0.80]	
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.

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

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com  
Fax: +49 221 806-3935 http://www.tuv.com/safety



Bruce Li  
Bruce Li

Ginlong technologies Co., Ltd.  
Qingying Cui

Date : 10.05.2021  
Our ref. : DJW 01  
Your ref.: Qingying Cui

No.57 Jintong Road, Binhai,  
(seafront), 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 50503510 0001  
Report No. : CN21CO02 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.

With kind regards,

Certification Body

  
Bruce Li

Enclosure

证书的详细资料请登陆[www.certipedia.com](http://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 50503510

Blatt *Sheet*  
0002

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
Qingying Cui	01-DJW-CN21CO02 001	10.05.2021	(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.57 Jintong Road, Binhai,  
(seafront), Industrial Park,  
Xiangshan Ningbo  
315712 Zhejiang  
P.R. China

### Prüfzeichen *Test Mark*



Bauart geprüft  
Sicherheit  
Regelmäßige  
Produktions-  
überwachung

www.tuv.com  
ID 1111239703

### 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	: S5-GC60K-HV	S5-GC70K-HV	2
Vmax PV [Vd.c.]	: 1100		
Isc PV [Ad.c.]	: 50*6		
MPP Voltage Range [Vd.c.]	: 180-1000		
Max. Input Current Ad.c.]	: 32*6		
Overvoltage Category (OVC)	: II for PV		
Rated Output Volt. [Va.c.]	: 3/PE, 480		
Rated Output Freq. [Hz]	: 50/60		
Rated Output Power [W]	: 60000	70000	
Max. Output Curr. [Aa.c.]	: 79.4	92.6	
Power Factor	: [-0.80, 0.80]		
Overvoltage Category (OVC)	: III for AC mains		

continued on page 0003

2

### 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**

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com  
Fax: +49 221 806-3935 http://www.tuv.com/safety



Bruce Li  
Bruce Li

Ginlong technologies Co., Ltd.  
Qingying Cui

Date : 10.05.2021  
Our ref. : DJW 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 50503510 0002  
Report No. : CN21CO02 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.

With kind regards,

Certification Body



Bruce Li

Enclosure

证书的详细资料请登陆[www.certipedia.com](http://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 50503510

Blatt *Sheet*  
0003

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
Qingying Cui	01-DJW-CN21CO02 001	10.05.2021	(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.57 Jintong Road, Binhai,  
(seafront), Industrial Park,  
Xiangshan Ningbo  
315712 Zhejiang  
P.R. China

### Prüfzeichen *Test Mark*



Beurteilt geprüft  
Sicherheit  
Regelmäßige  
Produktions-  
überwachung

www.tuv.com  
ID 1111239703

### 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	: S5-GC25K-LV S5-GC30K-LV	2
Vmax PV [Vd.c.]	: 1100	
Isc PV [Ad.c.]	: 50*4	
MPP Voltage Range [Vd.c.]	: 180-1000	
Max. Input Current Ad.c.]	: 32*4	
Overvoltage Category (OVC)	: II for PV	
Rated Output Volt. [Va.c.]	: 3/ (N)/PE, 220	
Rated Output Freq. [Hz]	: 50/60	
Rated Output Power [W]	: 25000 30000	
Max. Output Curr. [Aa.c.]	: 72.2 86.6	
Power Factor	: [-0.80, 0.80]	
Overvoltage Category (OVC)	: III for AC mains	

continued on page 0004

2

### 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

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com  
Fax: +49 221 806-3935 http://www.tuv.com/safety



Bruce Li

Ginlong technologies Co., Ltd.  
Qingying Cui

Date : 10.05.2021  
Our ref. : DJW 01  
Your ref.: Qingying Cui

No.57 Jintong Road, Binhai,  
(seafront), 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 50503510 0003  
Report No. : CN21CO02 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.

With kind regards,

Certification Body

  
Bruce Li

Enclosure

证书的详细资料请登陆[www.certipedia.com](http://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 50503510

Blatt *Sheet*  
0004

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
Qingying Cui	01-DJW-CN21CO02 001	10.05.2021	(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.57 Jintong Road, Binhai,  
(seafront), Industrial Park,  
Xiangshan Ningbo  
315712 Zhejiang  
P.R. China

## Prüfzeichen *Test Mark*



Bauart geprüft  
Sicherheit  
Regelmäßige  
Produktions-  
überwachung

www.tuv.com  
ID 1111239703

## 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	: S5-GC36K-LV	1
Vmax PV [Vd.c.]	: 1100	
Isc PV [Ad.c.]	: 50*4	
MPP Voltage Range [Vd.c.]	: 180-1000	
Max. Input Current Ad.c.]	: 32*4	
Overvoltage Category (OVC)	: II for PV	
Rated Output Volt. [Va.c.]	: 3/(N)/PE, 220	
Rated Output Freq. [Hz]	: 50/60	
Rated Output Power [W]	: 36000	
Max. Output Curr. [Aa.c.]	: 94.5	
Power Factor	: [-0.80, 0.80]	
Overvoltage Category (OVC)	: III for AC mains	

continued on page 0005

1

## 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**

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com  
Fax: +49 221 806-3935 http://www.tuv.com/safety



*Bruce Li*

**Bruce Li**

Ginlong technologies Co., Ltd.  
Qingying Cui

Date : 10.05.2021  
Our ref. : DJW 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 50503510 0004  
Report No. : CN21CO02 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.

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With kind regards,

Certification Body



Bruce Li

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# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50503510

Blatt *Sheet*  
0005

Ihr Zeichen *Client Reference*  
Qingying Cui

Unser Zeichen *Our Reference*  
01-DJW-CN21CO02 001

Ausstellungsdatum *Date of Issue*  
10.05.2021  
(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.57 Jintong Road, Binhai,  
(seafront), Industrial Park,  
Xiangshan Ningbo  
315712 Zhejiang  
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**Prüfzeichen *Test Mark***



Bauart geprüft  
Sicherheit  
Regelmäßige  
Produktions-  
überwachung

www.tuv.com  
ID 1111239703

**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 0004 continuation

Protective Class : Class I  
Ingress Protection (IP) : IP66  
Pollution Degree (PD) : PD3  
Operating Temperature [°C]: -25 to 60 (>45 derating)  
Altitude [m] : 4000  
Type of Inverter : Non-Isolated

**Remark(s):**

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

ANLAGE (Appendix): 1.0

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*Bruce Li*

**Bruce Li**

Ginlong technologies Co., Ltd.  
Qingying Cui

Date : 10.05.2021  
Our ref. : DJW 01  
Your ref.: Qingying Cui

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315712 Zhejiang  
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**Ref : R TÜV-Bauart-Zeichen o. Akkred. Nr.**

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Model Designation : See Certificate  
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