

# 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.



Date 10.05.2021

  
Bruce Li

**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,  
(seafont), Industrial Park,  
Xiangshan Ningbo  
315712 Zhejiang  
P.R. China

**Fertigungsstätte *Manufacturing Plant***  
Ginlong technologies Co., Ltd.  
No.57 Jintong Road, Binhai,  
(seafont), 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

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Zertifikat Nr. *Certificate No.*  
R 50503510

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0002

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**Genehmigungsinhaber *License Holder***  
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No.57 Jintong Road, Binhai,  
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P.R. China

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### Prüfzeichen *Test Mark*



Bauart geprüft  
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Regelmäßige  
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überwachung

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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

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### ANLAGE (Appendix): 1.0

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TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

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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 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

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# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50503510

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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,  
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315712 Zhejiang  
P.R. China

### Prüfzeichen *Test Mark*



Beurteilt geprüft  
Sicherheit  
Regelmäßige  
Produktions-  
überwachung

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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.  
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Your ref.: Qingying Cui

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(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

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# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50503510

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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  
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**Fertigungsstätte *Manufacturing Plant***  
Ginlong technologies Co., Ltd.  
No.57 Jintong Road, Binhai,  
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## Prüfzeichen *Test Mark*



Bauart geprüft  
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Produktions-  
überwachung

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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.  
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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.

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

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# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50503510

Blatt *Sheet*  
0005

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
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### Genehmigungsinhaber *License Holder*

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### Fertigungsstätte *Manufacturing Plant*

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### Prüfzeichen *Test Mark*



Bauart geprüft  
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IEC 62109-2:2011  
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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

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.  
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Type of Equipment : Grid-connected PV Inverter  
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