

C E R T I F I C A T E

of Conformity



Registration No.: AK 50459652 0001

Report No.: 50348081 001

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

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

Identification:

Type Designation:	Solis-25K-5G	Solis-30K-5G
	Solis-33K-5G	Solis-36K-5G
	Solis-40K-5G	Solis-40K-HV-5G
	Solis-50K-HV-5G	
Serial Number	: Engineering Sample	
Firmware Version:	V2B	
Remark	: Refer to test report 50348081 001 for details.	

Tested acc. to: EN 50549-1:2019

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 04.03.2020



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

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

Date : 04/03/2020
Our ref. : YYF 01
Your ref.: Z.K

Ref : AK Certificate of Conformity

Type of Equipment : Grid-Connected PV Inverter
Model Designation : See Certificate
Certificate No. : AK 50459652 0001
Report No. : 50348081 001

Dear Zhang Kun,

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

Mark Chen 

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

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

Registration No.: AE 50441823 0001

Report No.: 50272117 001

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

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

Identification: See type designations in attachment 1.1

Tested acc. to: EN 61000-6-1:2007
EN 61000-6-2:2005
EN 61000-6-3:2007+A1
EN 61000-6-4:2007+A1
IEC 61000-6-1:2005
IEC 61000-6-2:2005
IEC 61000-6-3:2006+A1
IEC 61000-6-4:2006+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.

Date 12.07.2019



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

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

Date : 12.07.2019
Our ref. : XX 01
Your ref.: L.R.H.

Ref : AE Certificate of Conformity EMC

Type of Equipment : Grid-connected PV Inverter
Model Designation : See Certificate
Certificate No. : AE 50441823 0001
Report No. : 50272117 001

Dear Ms. Li ronghua,

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

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

TÜV Rheinland
LGA Products GmbH
Tillystraße 2, 90431 Nürnberg

1.1

Attachment to
Registration No.: AE 50441823 0001
Report No.: 50272117 001

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

Scope: additional type designation:
Solis-25K-5G Solis-30K-5G
Solis-33K-5G Solis-36K-5G
Solis-40K-5G Solis-40K-HV-5G
Solis-50K-HV-5G

Cologne, 12.07.2019



Xinhua Lu
Xinhua Lu

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50443940

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*

Kun Zhang

Unser Zeichen *Our Reference*

01-DJW-50263108 001

Ausstellungsdatum

07.08.2019

Date of Issue

(day/mo/yr)

Genehmigungsinhaber *License Holder*

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

Fertigungsstätte *Manufacturing Plant*

Refer to latest revision
of the annex list of factories

Prüfzeichen *Test Mark*



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

www.tuv.com
ID 1419071949

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 : Solis-25K-5G Solis-30K-5G 9

Vmax PV [Vd.c.] : 1100
Isc PV [Ad.c.] : 40+40+40
MPP Voltage Range [Vd.c.] : 200-1000
Max. Input Current Ad.c.] : 26+26+26
Overvoltage Category (OVC) : II for PV

Rated Output Volt. [Va.c.] : 400V
Rated Output Freq. [Hz] : 50/60
Rated Output Power [W] : 25000 30000
Max. Output Curr. [Aa.c.] : 41.8 50.2
Power Factor : [-0.80, 0.80]
Overvoltage Category (OVC) : III for AC mains

continued on page 0002

9

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



A. Chen

**Anlage Fertigungsstättenliste
/Attachment List of Factories**



R 50443940 0001

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

Dieser Anhang ersetzt den Vorgänger vom/
This annex replaces the previous annex dated

Datum / Date 07.08.2019




A Chen

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50443940

Blatt *Sheet*
0002

Ihr Zeichen *Client Reference*

Kun Zhang

Unser Zeichen *Our Reference*

01-DJW-50263108 001

Ausstellungsdatum

07.08.2019

Date of Issue

(day/mo/yr)

Genehmigungsinhaber *License Holder*

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

Fertigungsstätte *Manufacturing Plant*

Refer to latest revision
of the annex list of factories

Prüfzeichen *Test Mark*



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ID 1419071949

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

1

Type Designation : Solis-33K-5G
Isc PV [Ad.c.] : 40+40+40
Vmax PV [Vd.c.] : 1100
Max. Input Current Ad.c.] : 26+26+26
MPP Voltage Range[Vd.c.] : 200-1000
Overvoltage Category (OVC) : II for PV

Rated Output Volt. [Va.c.] : 400V
Rated Output Freq. [Hz] : 50/60
Rated Output Power [W] : 33000
Max. Output Curr. [Aa.c.] : 55.1
Power Factor : [-0.80, 0.80]
Overvoltage Category (OVC) : III for AC mains

continued on page 0003

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



A. Chen

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50443940

Blatt *Sheet*
0003

Ihr Zeichen *Client Reference*
Kun Zhang

Unser Zeichen *Our Reference*
01-DJW-50263108 001

Ausstellungsdatum *Date of Issue*
07.08.2019
(day/mo/yr)

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

Fertigungsstätte *Manufacturing Plant*
Refer to latest revision
of the annex list of factories

Prüfzeichen *Test Mark*



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www.tuv.com
ID 1419071949

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

2

Type Designation : Solis-36K-5G Solis-40K-5G
Isc PV [Ad.c.] : 40+40+40+40
Vmax PV [Vd.c.] : 1100
Max. Input Current Ad.c.] : 26+26+26+26
MPP Voltage Range[Vd.c.] : 200-1000
Overvoltage Category (OVC) : II for PV

Rated Output Volt. [Va.c.] : 400V
Rated Output Freq. [Hz] : 50/60
Rated Output Power[W] : 36000 40000
Max. Output Curr. [Aa.c.] : 60.2 66.9
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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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



Zertifizierungsstelle

A. Chen

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50443940

Blatt *Sheet*
0004

Ihr Zeichen *Client Reference*
Kun Zhang

Unser Zeichen *Our Reference*
01-DJW-50263108 001

Ausstellungsdatum *Date of Issue*
07.08.2019
(day/mo/yr)

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

Fertigungsstätte *Manufacturing Plant*
Refer to latest revision
of the annex list of factories

Prüfzeichen *Test Mark*



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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 0003 continuation

2

Type Designation : Solis-40K-HV-5G Solis-50K-HV-5G
Isc PV [Ad.c.] : 40+40+40+40
Vmax PV [Vd.c.] : 1100
Max. Input Current Ad.c.] : 26+26+26+26
MPP Voltage Range [Vd.c.] : 200-1000
Overvoltage Category (OVC) : II for PV

Rated Output Volt. [Va.c.] : 480V
Rated Output Freq. [Hz] : 50/60
Rated Output Power [W] : 40000 50000
Max. Output Curr. [Aa.c.] : 53.0 66.2
Power Factor : [-0.80, 0.80]
Overvoltage Category (OVC) : III for AC mains

continued on page 0005

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

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Fax: +49 221 806-3935 http://www.tuv.com/safety



A. Chen

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50443940

Blatt *Sheet*
0005

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
Kun Zhang	01-DJW-50263108 001	07.08.2019	(day/mo/yr)

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

Fertigungsstätte *Manufacturing Plant*
Refer to latest revision
of the annex list of factories

Prüfzeichen *Test Mark*



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www.tuv.com
ID 1419071949

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) : IP65
Pollution Degree (PD) : PD3
Operating Temperature [°C]: -25 to 60
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.

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

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Fax: +49 221 806-3935 http://www.tuv.com/safety



Zertifizierungsstelle

A. Chen

Ningbo Ginlong technologies Co.,
Ltd.
Zhang Kun

Date : 09.08.2019
Our ref. : DJW 01
Your ref.: Kun Zhang

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

Ref : R TÜV-Mark Approval

Type of Equipment : Grid-connected PV Inverter
Model Designation : See Certificate
Certificate No. : R 50443940 0001
Report No. : 50263108 001

Dear Zhang Kun,

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


A. Chen

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