

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50456314

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*
Kun Zhang

Unser Zeichen *Our Reference*
01-DJW-50329288 001

Ausstellungsdatum
30.12.2019

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*



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-50K-5G	9
	Solis-60K-5G	
Vmax PV [Vd.c.]	: 1100	
Isc PV [Ad.c.]	: 40*5	40*6
MPP Voltage Range[Vd.c.]	: 180-1000	
Max. Input Current Ad.c.]	: 26*5	26*6
Overvoltage Category (OVC):	II for PV	
Rated Output Volt.[Va.c.]	: 3~ 230	
Rated Output Freq.[Hz]	: 50/60	
Rated Output Power[kW]	: 50	60
Max. Output Curr.[Aa.c.]	: 83.6	100.3
Power Factor	: [-0.80, 0.80]	
Overvoltage Category (OVC):	III for AC mains	

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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



A. Chen
A. Chen

Zertifikat

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Zertifikat Nr. *Certificate No.*
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0002

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Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

www.tuv.com
ID 141907145

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

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Type Designation	:	Solis-70K-5G		
		Solis-75K-5G		
		Solis-80K-5G		
Vmax PV [Vd.c.]	:	1100		
Isc PV [Ad.c.]	:	40*7	40*9	40*9
MPP Voltage Range [Vd.c.]	:	180-1000		
Max. Input Current Ad.c.]	:	26*7	26*9	26*9
Overvoltage Category (OVC):	:	II for PV		
Rated Output Volt. [Va.c.]	:	3~ 230		
Rated Output Freq. [Hz]	:	50/60		
Rated Output Power [kW]	:	70	75	80
Max. Output Curr. [Aa.c.]	:	117	125.3	133.7
Power Factor	:	[-0.80, 0.80]		
Overvoltage Category (OVC):	:	III for AC mains		

continued on page 0003

ANLAGE (Appendix): 1.0

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0003

Ihr Zeichen *Client Reference*
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Unser Zeichen *Our Reference*
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ID 1419077145

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Zertifiziertes Produkt (Geräteidentifikation)
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Lizenzentgelte - Einheit
License Fee - Unit

PV-Wechselrichter (Grid-connected PV Inverter)

as page 0002 continuation

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Type Designation	:	Solis-60K-HV-5G			
		Solis-70K-HV-5G			
		Solis-100K-HV-5G			
		Solis-110K-BHV-5G			
Isc PV [Ad.c.]	:	40*6	40*7	40*10	40*10
Vmax PV [Vd.c.]	:	1100			
Max. Input Current Ad.c.]	:	26*6	26*7	26*10	26*10
MPP Voltage Range [Vd.c.]	:	180-1000			
Overvoltage Category (OVC)	:	II for PV			
Rated Output Volt. [Va.c.]	:	3~277	3~277	3~277	3~312
Rated Output Power [kW]	:	60	70	100	110
Rated Output Freq. [Hz]	:	50/60			
Max. Output Curr. [Aa.c.]	:	79.4	92.6	132.3	129.4
Power Factor	:	[-0.80, 0.80]			
Overvoltage Category (OVC)	:	III for AC mains			

continued on page 0004

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Zertifikat Nr. *Certificate No.*
R 50456314

Blatt *Sheet*
0004

Ihr Zeichen *Client Reference*
Kun Zhang

Unser Zeichen *Our Reference*
01-DJW-50329288 001

Ausstellungsdatum
30.12.2019

Date of Issue
(day/mo/yr)

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

Fertigungsstätte *Manufacturing Plant*
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Prüfzeichen *Test Mark*



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www.tuv.com
ID 1419077145

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

Zertifiziertes Produkt (Geräteidentifikation)
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Lizenzentgelte - Einheit
License Fee - Unit

PV-Wechselrichter (Grid-connected PV Inverter)

as page 0003 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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A. Chen

**Anlage Fertigungsstättenliste
/Attachment List of Factories**




R 50456314 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 30.12.2019




A. Chen

Ningbo Ginlong technologies Co.,
Ltd.
Zhang Kun

Date : 31.12.2019
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 50456314 0001
Report No. : 50329288 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.tuvdotcom.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 Low Voltage Directive 2014/35/EU

Registration No.: AN 50456325 0001

Report No.: 50329288 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-50K-5G Solis-60K-5G Solis-70K-5G
Solis-75K-5G Solis-80K-5G
Solis-60K-HV-5G Solis-70K-HV-5G
Solis-100K-HV-5G Solis-110K-BHV-5G
Serial Number : Engineering Sample
Remark(s) : Issued in conjunction with TÜV Rheinland
license R 50456314 0001-0004.

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 30.12.2019

A handwritten signature in black ink, appearing to read 'A. Chen', written over a horizontal line.
A. Chen

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. **CE**

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

Date : 31.12.2019
Our ref. : DJW 01
Your ref.: zhang Kun

Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment : Grid-connected PV Inverter
Model Designation : See Certificate
Certificate No. : AN 50456325 0001
Report No. : 50329288 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


A. Chen

Enclosure

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