

# C E R T I F I C A T E



of Conformity  
Low Voltage Directive 2014/35/EU

Registration No.: AN 50485653 0001

Report No.: 60388400 001

**Holder:** Sungrow Power Supply Co., Ltd.  
No.1699 Xiyou Rd., New & High  
Technology Industrial  
Development Zone,  
Hefei  
230088 Anhui  
P.R. China


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

**Identification:** Type Designation: SG3.0RT SG4.0RT SG5.0RT SG6.0RT SG7.0RT  
SG8.0RT SG10RT SG12RT SG15RT SG17RT  
SG20RT  
Serial Number : Engineering Sample  
Remark(s) : Issued in conjunction with TÜV Rheinland  
license R 50485651 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 05.11.2020

  
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. CE

Sungrow Power Supply Co., Ltd.  
Daniel Du

Date : 12.11.2020  
Our ref. : DJW 01  
Your ref.: Daniel Du

No.1699 Xiyou Rd., New & High  
Technology Industrial  
Development Zone,  
Hefei  
230088 Anhui  
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 50485653 0001  
Report No. : 60388400 001

Dear Daniel Du,

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



# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50485651

Blatt *Sheet*  
0001

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum <i>Date of Issue</i>	<i>(day/mo/yr)</i>
Wang Kai	01-DJW-60388400 001	05.11.2020	

**Genehmigungsinhaber *License Holder***  
Sungrow Power Supply Co., Ltd.  
No.1699 Xiyou Rd., New & High  
Technology Industrial  
Development Zone,  
Hefei  
230088 Anhui  
P.R. China

**Fertigungsstätte *Manufacturing Plant***  
Sungrow Power Supply Co., Ltd.  
No.1699 Xiyou Rd., New & High  
Technology Industrial  
Development Zone,  
Hefei  
230088 Anhui  
P.R. China

## Prüfzeichen *Test Mark*



Bauart geprüft  
Sicherheit  
Regelmäßige  
Produktions-  
überwachung

www.tuv.com  
ID 1111231848

## 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	: SG3.0RT SG4.0RT SG5.0RT	12
V <sub>max</sub> PV[Vd.c.]	: 1100	
I <sub>sc</sub> PV[Ad.c.]	: 16/16	
MPP Voltage Range[Vd.c.]	: 160-1000	
Max.Input Current[Ad.c.]	: 12.5/12.5	
Overvoltage Category(OVC)	: II for PV	

Rated Output Voltage[Va.c.]: 3/N/PE, AC 220/230/240  
Rated Output Frequency[Hz] : 50/60  
Rated Output Power[kW] : 3 4 5  
Max. Output Current[Aa.c.] : 5.1 6.8 8.3  
Power Factor : 0.80(leading), 0.80(lagging)  
Overvoltage Category(OVC) : III for AC Mains

continued on page 0002

12

## 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



Weichun Li

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50485651

Blatt *Sheet*  
0002

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum <i>Date of Issue</i>	<i>Date of Issue</i>
Wang Kai	01-DJW-60388400 001	05.11.2020	(day/mo/yr)

**Genehmigungsinhaber *License Holder***  
Sungrow Power Supply Co., Ltd.  
No.1699 Xiyou Rd., New & High  
Technology Industrial  
Development Zone,  
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P.R. China

**Fertigungsstätte *Manufacturing Plant***  
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## Prüfzeichen *Test Mark*



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ID 1111231848

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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	: SG6.0RT SG7.0RT SG8.0RT	3
V <sub>max</sub> PV[Vd.c.]	: 1100	
I <sub>sc</sub> PV[Ad.c.]	: 16/16 32/16 32/16	
MPP Voltage Range[Vd.c.]	: 160-1000	
Max.Input Current[Ad.c.]	: 12.5/12.5 25/12.5 25/12.5	
Overvoltage Category(OVC)	: II for PV	

Rated Output Voltage[Va.c.]: 3/N/PE, AC 220/230/240  
Rated Output Frequency[Hz]: 50/60  
Rated Output Power[kW]: 6 7 8  
Max. Output Current[Aa.c.]: 10.0 11.7 13.3  
Power Factor: 0.80(leading), 0.80(lagging)  
Overvoltage Category(OVC): III for AC Mains

continued on page 0003

3

## 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



Weichun Li



# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50485651

Blatt *Sheet*  
0003

Ihr Zeichen *Client Reference*  
Wang Kai

Unser Zeichen *Our Reference*  
01-DJW-60388400 001

Ausstellungsdatum *Date of Issue*  
05.11.2020 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
Sungrow Power Supply Co., Ltd.  
No.1699 Xiyou Rd., New & High  
Technology Industrial  
Development Zone,  
Hefei  
230088 Anhui  
P.R. China

Fertigungsstätte *Manufacturing Plant*  
Sungrow Power Supply Co., Ltd.  
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Technology Industrial  
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## Prüfzeichen *Test Mark*



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ID 1111231848

## 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 : SG10RT SG12RT 2

Vmax PV[Vd.c.] : 1100  
Isc PV[Ad.c.] : 32/16  
MPP Voltage Range[Vd.c.] : 160-1000  
Max.Input Current[Ad.c.] : 25/12.5  
Overvoltage Category(OVC) : II for PV

Rated Output Voltage[Va.c.] : 3/N/PE, AC 220/230/240  
Rated Output Frequency[Hz] : 50/60  
Rated Output Power[kW] : 10 12  
Max. Output Current[Aa.c.] : 16.7 20.0  
Power Factor : 0.80(leading), 0.80(lagging)  
Overvoltage Category(OVC) : III for AC Mains

continued on page 0004

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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.  
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Weichun Li

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50485651

Blatt *Sheet*  
0004

Ihr Zeichen *Client Reference*  
Wang Kai

Unser Zeichen *Our Reference*  
01-DJW-60388400 001

Ausstellungsdatum *Date of Issue*  
05.11.2020 (day/mo/yr)

**Genehmigungsinhaber *License Holder***

Sungrow Power Supply Co., Ltd.  
No.1699 Xiyou Rd., New & High  
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P.R. China

**Fertigungsstätte *Manufacturing Plant***

Sungrow Power Supply Co., Ltd.  
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**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)**

Type Designation : SG15RT SG17RT SG20RT

3

Vmax PV[Vd.c.] : 1100  
Isc PV[Ad.c.] : 32/32  
MPP Voltage Range[Vd.c.] : 160-1000  
Max.Input Current[Ad.c.] : 25/25  
Overvoltage Category(OVC) : II for PV

Rated Output Voltage[Va.c.] : 3/N/PE, AC 220/230/240  
Rated Output Frequency[Hz] : 50/60  
Rated Output Power[kW] : 15 17 20  
Max. Output Current[Aa.c.] : 25.0 28.3 31.9  
Power Factor : 0.80(leading), 0.80(lagging)  
Overvoltage Category(OVC) : III for AC Mains

continued on page 0005

3

**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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Weichun Li



# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50485651

Blatt *Sheet*  
0005

Ihr Zeichen *Client Reference*  
Wang Kai

Unser Zeichen *Our Reference*  
01-DJW-60388400 001

Ausstellungsdatum *Date of Issue*  
05.11.2020 (day/mo/yr)

Genehmigungsinhaber *License Holder*  
Sungrow Power Supply Co., Ltd.  
No.1699 Xiyou Rd., New & High  
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Fertigungsstätte *Manufacturing Plant*  
Sungrow Power Supply Co., Ltd.  
No.1699 Xiyou Rd., New & High  
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Hefei  
230088 Anhui  
P.R. China

## 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)

Protective Class : Class I  
Ingress Protection (IP) : IP65  
Pollution Degree (PD) : PD3  
Altitude [m] : <4000  
Operating Temperature [°C] : -25 to 60 (> 45 derating)  
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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Weichun Li

Sungrow Power Supply Co., Ltd.  
Wang Kai

Date : 12.11.2020  
Our ref. : DJW 01  
Your ref.: Wang Kai

No.1699 Xiyou Rd., New & High  
Technology Industrial  
Development Zone,  
Hefei  
230088 Anhui  
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 50485651 0001  
Report No. : 60388400 001

Dear Wang Kai,

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

  
Weichun Li

cc: Sungrow Power Supply Co., Ltd.

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