

# CERTIFICATE of Conformity



Registration No.: AK 50492454 0001

Report No.: CN2054B8 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
Firmware Version	: BERYL-S_03011.01.01
Remark	: Refer to test report CN2054B8 001 for detail.

**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.

**Date** 18.01.2021



**Weichun Li**

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

Sungrow Power Supply Co., Ltd.  
Wang Kai

Date : 18.01.2021  
Our ref. : DJW 01  
Your ref.:

No.1699 Xiyou Rd., New & High  
Technology Industrial  
Development Zone,  
Hefei  
230088 Anhui  
P.R. China

**Ref : AK Certificate of Conformity**

Type of Equipment : Grid Connected PV Inverter  
Model Designation : See Certificate  
Certificate No. : AK 50492454 0001  
Report No. : CN2054B8 001

Dear Wang Kai,

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



# ATTESTATION OF CONFORMITY

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

For the product: Grid-connected PV inverter

Trade name: 

Type/Model: SG3.0RT, SG4.0RT, SG5.0RT, SG6.0RT, SG7.0RT, SG8.0RT, SG10RT,  
SG12RT, SG15RT, SG17RT, SG20RT

Ratings: See Annex

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

Requirements: EN 50549-1:2019

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no 6093833.50.

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 3 March 2021

Number: 6093833.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.

  
Kreny Lin  
Certification Manager

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Page 1 of 2

DEKRA Testing and Certification (Shanghai) Ltd.  
3F #250 Jiangchangsan Road Shibe Hi-Tech Park, 200436 Jing'an District, Shanghai, China  
T +86 21 6056 7666 F +86 21 6056 7555 www.dekra-product-safety.com



Ratings of the test product:

Operating temperature range: - 25°C to + 60°C

Protective class: I

Ingress protection rating: IP65

Power factor range (adjustable): 0.8 leading...0.8 lagging

SG3.0RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max: 12.5/12.5 A, Isc PV: 16.0/16.0 A  
Output: 3/N/PE 230 Vac, 50/60 Hz, max 5.1 A, rated 3000 VA, max 3300 VA

SG4.0RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max: 12.5/12.5 A, Isc PV: 16.0/16.0 A  
Output: 3/N/PE 230 Vac, 50/60 Hz, max 6.8 A, rated 4000 VA, max 4400 VA

SG5.0RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 12.5/12.5 A, Isc PV: 16.0/16.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 8.3 A, rated 5000 VA, max 5500 VA

SG6.0RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 12.5/12.5 A, Isc PV: 16.0/16.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 10.0 A, rated 6000 VA, max 6600 VA

SG7.0RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/12.5 A, Isc PV: 32.0/16.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 11.7 A, rated 7000 VA, max 7700 VA

SG8.0RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/12.5 A, Isc PV: 32.0/16.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 13.3 A, rated 8000 VA, max 8800 VA

SG10RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/12.5 A, Isc PV: 32.0/16.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 16.7 A, rated 10000 VA, max 11000 VA

SG12RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/12.5 A, Isc PV: 32.0/16.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 20.0 A, rated 12000 VA, max 13200 VA

SG15RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/25.0 A, Isc PV: 32.0/32.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 25.0 A, rated 15000 VA, max 16500 VA

SG17RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/25.0 A, Isc PV: 32.0/32.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 28.3 A, rated 17000 VA, max 18700 VA

SG20RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/25.0 A, Isc PV: 32.0/32.0 A  
Output: 3/N/PE, 230 Vac, 50/60 Hz, max 31.9 A, rated 20000 VA, max 22000 VA





# ATTESTATION OF CONFORMITY

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

For the product: Grid-connected PV inverter

Trade name: 

Type/Model: SG5.0RT, SG6.0RT, SG7.0RT, SG8.0RT, SG10RT,  
SG12RT, SG15RT, SG17RT, SG20RT

Ratings: See Annex

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

Requirements: IEC TS 62910:2015

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no 6086736.50.

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 10 December 2020

Number: 6086736.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.

Kreny Lin  
Certification Manager 

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Page 1 of 2



Ratings of the test product:

Operating temperature range: - 25°C to + 60°C

Protective class: I

Ingress protection rating: IP65

Power factor range (adjustable): 0.8 leading...0.8 lagging

SG5.0RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 12.5/12.5 A, Isc PV: 16.0/16.0 A

Output: 3/N/PE, 230 Vac, 50/60 Hz, max 8.3 A, rated 5000 W, max 5500 VA

SG6.0RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 12.5/12.5 A, Isc PV: 16.0/16.0 A

Output: 3/N/PE, 230 Vac, 50/60 Hz, max 10.0 A, rated 6000 W, max 6600 VA

SG7.0RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/12.5 A, Isc PV: 32.0/16.0 A

Output: 3/N/PE, 230 Vac, 50/60 Hz, max 11.7 A, rated 7000 W, max 7700 VA

SG8.0RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/12.5 A, Isc PV: 32.0/16.0 A

Output: 3/N/PE, 230 Vac, 50/60 Hz, max 13.3 A, rated 8000 W, max 8800 VA

SG10RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/12.5 A, Isc PV: 32.0/16.0 A

Output: 3/N/PE, 230 Vac, 50/60 Hz, max 16.7 A, rated 10000 W, max 11000 VA

SG12RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/12.5 A, Isc PV: 32.0/16.0 A

Output: 3/N/PE, 230 Vac, 50/60 Hz, max 20.0 A, rated 12000 W, max 13200 VA

SG15RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/25.0 A, Isc PV: 32.0/32.0 A

Output: 3/N/PE, 230 Vac, 50/60 Hz, max 25.0 A rated 15000 W, max 16500 VA

SG17RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/25.0 A, Isc PV: 32.0/32.0 A

Output: 3/N/PE, 230 Vac, 50/60 Hz, max 28.3 A, rated 17000 W, max 18700 VA

SG20RT:

PV input: Max. 1100 Vdc, MPPT voltage range: 160-1000 Vdc, max 25.0/25.0 A, Isc PV: 32.0/32.0 A

Output: 3/N/PE, 230 Vac, 50/60 Hz, max 31.9 A, rated 20000 W, max 22000 VA

# 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*



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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	: 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

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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



Weichun Li

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50485651

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0002

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*



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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	: 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

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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



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.  
No.1699 Xiyou Rd., New & High  
Technology Industrial  
Development Zone,  
Hefei  
230088 Anhui  
P.R. China

## 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.  
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*  
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  
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***



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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 : 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

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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



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  
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)**

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.  
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**

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



**C E R T I F I C A T E**  
of Conformity



Registration No.: AK 50496353 0001

Report No.: CN20LISR 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 : SGxxRT (xx=3.0, 4.0, 5.0, 6.0, 7.0, 8.0,  
8.0, 10, 12, 15, 17, 20)  
Remark : Refer to test report CN20LISR 001 for details.

Tested acc. to: EN 50530:2010+A1  
IEC 61683:1999  
IEC 60068-2-1:2007  
IEC 60068-2-2:2007  
IEC 60068-2-14:2009  
IEC 60068-2-30:2005  
IEC 60068-2-64:2008  
IEC 60068-2-27:2008

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 26.02.2021

Weichun Li

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

Sungrow Power Supply Co., Ltd.  
Wang Kai

Date : 26.02.2021  
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 : AK Certificate of Conformity**

Type of Equipment : Grid Connected PV Inverter  
Model Designation : See Certificate  
Certificate No. : AK 50496353 0001  
Report No. : CN20LISR 001

Dear Wang Kai,

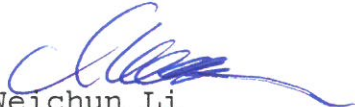
We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

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



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

Registration No.: AE 50484758 0001

Report No.: 60419881 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: See type designations in attachment 1.1  
Serial No.: n.a.  
Remark: Refer to test report 60419881 001 for details.

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 04.11.2020



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

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

1.1

**Attachment to**  
**Registration No.:** AE 50484758 0001  
**Report No.:** 60419881 001

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

**Scope:** additional type designation:

SG5.0RT	SG6.0RT	SG7.0RT	SG8.0RT
SG10RT	SG12RT	SG15RT	SG17RT
SG3.0RT	SG4.0RT	SG20RT	

**Date:** 2020-11-04



**Certification Body**

*Xinhua Lu*  
**Xinhua Lu**



Sungrow Power Supply Co., Ltd.  
Wang Kai

Date : 04.11.2020  
Our ref. : QYB 01  
Your ref.: W.K.

No.1699 Xiyou Rd., New & High  
Technology Industrial  
Development Zone,  
Hefei  
230088 Anhui  
P.R. China

Ref : AE Certificate of Conformity EMC

Type of Equipment : Grid-connected PV Inverter  
Model Designation : See Certificate  
Certificate No. : AE 50484758 0001  
Report No. : 60419881 001

Dear Wang Kai,

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: Sungrow Power Supply 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

# 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>(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	: 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.  
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*  
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.  
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

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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

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



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  
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

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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 : 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.

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*  
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  
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)**

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.  
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**



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

**C E R T I F I C A T E**  
of Conformity



**Registration No.:** AK 50492453 0001

**Report No.:** CN21MPQH 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
Firmware Version	: BERYL-S_03011.01.01
Remark	: Refer to test report CN21MPQH 001 for detail.

**Tested acc. to:** IEC 61000-3-11:2000  
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.



**Date** 18.01.2021

  
Weichun Li

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



Sungrow Power Supply Co., Ltd.  
Wang Kai

Date : 18.01.2021  
Our ref. : DJW 01  
Your ref.:

No.1699 Xiyou Rd., New & High  
Technology Industrial  
Development Zone,  
Hefei  
230088 Anhui  
P.R. China

**Ref : AK Certificate of Conformity**

Type of Equipment : Grid Connected PV Inverter  
Model Designation : See Certificate  
Certificate No. : AK 50492453 0001  
Report No. : CN21MPQH 001

Dear Wang Kai,

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