

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

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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

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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 

© Integral publication of this attestation and adjoining reports is allowed

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

Certificate of Conformity

Registered No.:

COCPVP03064/21E-01

File reference
PVP03064/21E-01

Test report No.
TRPVP03064/21E/01

Date of issue
2021-07-29

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

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

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

Factory 1: **Sungrow Power Supply Co., Ltd.**
No. 1699 Xiyou Rd., New & High Technology Industrial Development
Zone Hefei, Anhui 230088, P. R. China

Factory 2: **Sungrow Power Supply Co., Ltd.**
No. 608, Changning Avenue, New & High Technology Industrial,
Development, Zone, 230088 Hefei City, Anhui Province, PEOPLE'S
REPUBLIC OF CHINA

Factory 3: **Sungrow Developers (India) Private Limited**
No. 85, kanmike village, Kengeri hobli, Bangalore South Taluk, 560074
Bangalore, INDIA

Product: Grid-connected PV inverter

Type designation: SG3.0RT, SG4.0RT, SG5.0RT, SG6.0RT, SG7.0RT, SG8.0RT,
SG10RT, SG12RT, SG15RT, SG17RT, SG20RT
Three-phase, Firmware version: LCD_BERYL-S_V11_V01_A,
MDSP_BERYL-S_V11_V01_A.

Type of equipment: Interface device
 Interface protection
 Static conversion device



Renewable Energy

BOS-T-018 COC



中国认可
国际互认
产品
PRODUCT
CNAS C183-P

TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Rotary generation device

Remark: The device is for plants of each power.

Certification fundamental(s): BOS-P-01 Rev. 00

Standard(s): CEI 0-21:2019 "Reference technical rules for the connection of active and passive users to the LV electrical Utilities"

See test report for detailed information.

Certification body: TÜV NORD (HANGZHOU) CO., LTD.

Floor 5, No. 50, Jiuhuan Road, Jianggan District
Hangzhou, 310019, P.R. China

Accredited by CNAS according to ISO/IEC 17065:2012, certificate no. CNAS C183-P.

Testing laboratory: Dongguan BALUN Testing Technology Co., Ltd.

Room 104/204/205, Building 1, No. 6, Industrial South Road, Songshan Lake District, Dongguan, Guangdong, China

Accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L14701

Conclusion: After verifying following documents, it is concluded that the product is in compliance with the requirements of CEI 0-21:2019.

ISO 9001 certificate:

Certificate no. CN15/21022.00, issued by SGS United Kingdom Ltd.

Test report of CEI 0-21:2019:

Report no. BL-DG2160335-B01, issued by Dongguan BALUN Technology Co., Ltd., accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L14701

Test report of EMC:

Report no. 60419881 001, issued by TÜV Rheinland (Shanghai) Co., Ltd., accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L3038.

Report no. C21-253-WT, issued by Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co., Ltd., accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L0130

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



Renewable Energy



中国认可
国际互认
产品
PRODUCT
CNAS C183-P

TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Description of product(s):

Model types:	SG3.0RT	SG4.0RT	SG5.0RT	SG6.0RT	SG7.0RT
General information					
Firmware:	LCD_BERYL-S_V11_V01_A, MDSP_BERYL-S_V11_V01_A.				
PV input					
Vmax PV [V d.c.]:	1100				
Mpp voltage range [V d.c.]:	160 - 1000				
Isc PV [A d.c.]:	16/16	16/16	16/16	16/16	32/16
Max. input current [A d.c.]:	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5	25/12.5
Overvoltage category (OVC):	II				
AC output parameters					
Rated output voltage [V a.c.]:	230, 3/N/PE				
Rated output frequency [Hz]:	50/60				
Rated output power [W]:	3000	4000	5000	6000	7000
Max. apparent power [W]:	3300	4400	5500	6600	7700
Max. output current [A a.c.]:	5.1	6.8	8.3	10	11.7
Power factor $\cos\phi$ [λ]:	0.8 leading ... 1 ... 0.8 lagging				
Overvoltage category (OVC):	III				



Renewable Energy



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Tel: +86-571-85386989
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www.tuv-nord.com/cn
P.R. China

Model types:	SG8.0RT	SG10RT	SG12RT	SG15RT	SG17RT
General information					
Firmware:	LCD_BERYL-S_V11_V01_A, MDSP_BERYL-S_V11_V01_A.				
PV input					
Vmax PV [V d.c.]:	1100				
Mpp voltage range [V d.c.]:	160 - 1000				
Isc PV [A d.c.]:	32/16	32/16	32/16	32/32	32/32
Max. input current [A d.c.]:	25/12.5	25/12.5	25/12.5	25/25	25/25
Overvoltage category (OVC):	II				
AC output parameters					
Rated output voltage [V a.c.]:	230, 3/N/PE				
Rated output frequency [Hz]:	50/60				
Rated output power [W]:	8000	10000	12000	15000	17000
Max. apparent power [W]:	8800	11000	13200	16500	18700
Max. output current [A a.c.]:	13.3	16.7	20	25	28.3
Power factor cos ϕ [λ]:	0.8 leading ... 1 ... 0.8 lagging				
Overvoltage category (OVC):	III				



Renewable Energy

BOS-T-018 COC



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TÜV NORD (HANGZHOU) CO., LTD.
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Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Model types:	SG20RT	--	--	--	--
General information					
Firmware:	LCD_BERYL-S_V11_V01_A, MDSP_BERYL-S_V11_V01_A.				
PV input					
Vmax PV [V d.c.]:	1100	--	--	--	--
Mpp voltage range [V d.c.]:	160 - 1000	--	--	--	--
Isc PV [A d.c.]:	32/32	--	--	--	--
Max. input current [A d.c.]:	25/25	--	--	--	--
Overvoltage category (OVC):	II	--	--	--	--
AC output parameters					
Rated output voltage [V a.c.]:	230, 3/N/PE	--	--	--	--
Rated output frequency [Hz]:	50/60	--	--	--	--
Rated output power [W]:	20000	--	--	--	--
Max. apparent power [W]:	22000	--	--	--	--
Max. output current [A a.c.]:	31.9	--	--	--	--
Power factor cos ϕ [λ]:	0.8 leading ... 1 ... 0.8 lagging				
Overvoltage category (OVC):	III	--	--	--	--

