

CERTIFICATE of Conformity



Registration No.: AK 50561880 0001

Report No.: CN22193J 001

Holder: **Guangzhou Sanjing Electric Co., Ltd.**
No.9, Lizhishan Road, Science City,
Guangzhou High-tech Zone,
Guangdong
P.R. China

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

Identification: Type Designation: R6-5K-S2-X, R6-6K-S2-X, R6-7K-S2-X,
R6-8K-S2-X, R6-9K-S2-X, R6-10K-S2-X,
R6-5K-S3, R6-6K-S3, R6-7K-S3,
R6-8K-S3, R6-9K-S3, R6-10K-S3
Software Version: V1.027
Remark: Refer to test report CN22193J 001 for details.
Continued on page 0002

Tested acc. to: RD 1699:2011
RD 661:2007
RD 413:2014
RD 647:2020

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 **19.10.2022**

A handwritten signature in blue ink, appearing to be 'A. Chen'.
A. Chen

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CERTIFICATE of Conformity

Registration No.: AK 50561880 0002

Report No.: CN22193J 001

Holder: **Guangzhou Sanjing Electric Co., Ltd.**
No.9, Lizhishan Road, Science City,
Guangzhou High-tech Zone,
Guangdong
P.R. China

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


Identification: Type Designation: R6-5K-S2-X, R6-6K-S2-X, R6-7K-S2-X,
R6-8K-S2-X, R6-9K-S2-X, R6-10K-S2-X,
R6-5K-S3, R6-6K-S3, R6-7K-S3,
R6-8K-S3, R6-9K-S3, R6-10K-S3
Software Version: V1.027
Remark: Refer to test report CN22193J 001 for details.

Tested acc. to: RD 244:2019
UNE 206006 IN:2011
UNE 217002:2020

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 19.10.2022



A. Chen

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

Guangzhou Sanjing Electric Co.,
Ltd.

Date : 19/10/2022
Our ref. : 02
Your ref.: 168385764

No.9, Lizhishan Road, Science City,
Guangzhou High-tech Zone,
Guangdong
P.R. China

Ref : AK Certificate of Conformity

Type of Equipment : Grid-connected PV Inverter
Model Designation : See Certificate
Certificate No. : AK 50561880 0001
Report No. : CN22193J 001

Dear Ladies and Gentlemen,

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

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

Certificado De Conformidad

Fabricante: <i>Manufacturer:</i>	Guangzhou Sanjing Electric Co., Ltd. No.9, Lizhishan Road, Science City, Guangzhou High-tech Zone, Guangdong, P.R.China
Tipo de producto: <i>Type of product:</i>	Grid-connected PV inverter
Modelo: <i>Model:</i>	R6-5K-S2-X, R6-6K-S2-X, R6-7K-S2-X, R6-8K-S2-X R6-9K-S2-X, R6-10K-S2-X, R6-5K-S3, R6-6K-S3 R6-7K-S3, R6-8K-S3, R6-9K-S3, R6-10K-S3
Versión de firmware: <i>Firmware version:</i>	V1.027
Estándar: <i>Standard:</i>	NTS Version 2.1 Norma técnica de supervisión de la conformidad de los módulos de generación de electricidad según el Reglamento UE 2016/631 NTS Version 2.1-Correction 1.0 Corrección de errores de la versión 2.1 (del 9/7/2021) de la Norma Técnica de Supervisión de la Conformidad de los Módulos de Generación de Electricidad según el Reglamento UE 2016/631 UNE 217001:2020 Ensayos para sistemas que eviten el vertido de energía a la red de distribución UNE 206007-1 IN:2013 Requisitos de conexión a la red eléctrica Parte 1: Inversores para conexión a la red de distribución CN22OT47 001
Reporte no.: <i>Report No.:</i>	
Fecha de emisión: <i>Date of issue:</i>	2022-10-19

El certificado de conformidad hace referencia al producto mencionado anteriormente. Esto es para certificar que la muestra se encuentra en conformidad con el requisito de evaluación mencionado anteriormente. Este certificado no implica una evaluación de la producción del producto y no permite el uso de una marca de conformidad TÜV Rheinland.

The verification of conformity refers to the above mentioned product. This is to verify that the specimen is in conformity with the assessment requirement mentioned above. This verification does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.



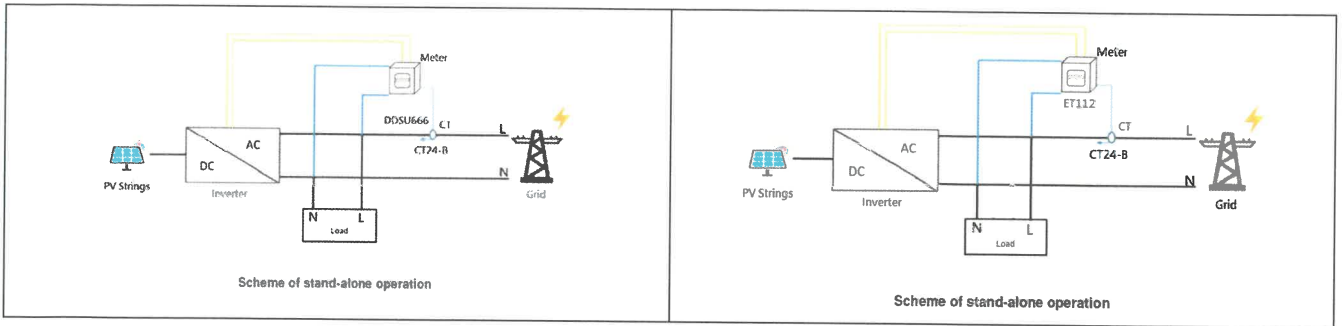

A. Chen

Certificador

Apéndice

Appendix

Información del inversor <i>Inverter information</i>						
Modelo <i>Model</i>	R6-5K-S2-X	R6-6K-S2-X	R6-7K-S2-X	R6-8K-S2-X	R6-9K-S2-X	R6-10KS2-X
Potencia nominal CA <i>Nominal AC Power</i>	5000W	6000W	7000W	8000W	9000W	10000W
Tensión nominal CA <i>Nominal AC voltage</i>	230V					
Corriente máxima CA <i>Maximal AC current</i>	25.0A	30.0A	35.0A	40.0A	45.0A	45.5A
Frecuencia nominal <i>Nominal frequency</i>	50Hz					
Rango de tensión MPPT <i>MPPT voltage range</i>	90-550V					
Tensión CC máxima <i>Max. DC voltage</i>	600V					
Corriente DC máxima <i>Max. DC current</i>	16/16A					
Elemento de control <i>Control device</i>	Controller in Inverter					
Tipo de dispositivo de control <i>Type of control device</i>	Integrated					
Información del inversor <i>Inverter information</i>						
Modelo <i>Model</i>	R6-5K-S3	R6-6K-S3	R6-7K-S3	R6-8K-S3	R6-9K-S3	R6-10KS3
Potencia nominal CA <i>Nominal AC Power</i>	5000W	6000W	7000W	8000W	9000W	10000W
Tensión nominal CA <i>Nominal AC voltage</i>	230V					
Corriente máxima CA <i>Maximal AC current</i>	25.0A	30.0A	35.0A	40.0A	45.0A	45.5A
Frecuencia nominal <i>Nominal frequency</i>	50Hz					
Rango de tensión MPPT <i>MPPT voltage range</i>	90-550V					
Tensión CC máxima <i>Max. DC voltage</i>	600V					
Corriente DC máxima <i>Max. DC current</i>	16/16/16A					
Elemento de control <i>Control device</i>	Controller in Inverter					
Tipo de dispositivo de control <i>Type of control device</i>	Integrated					
Información general del transductor de corriente externo / medidor de potencia *) <i>General information of external current transductor/ power meter</i>						
Fabricante <i>Manufacturer</i>	Zhejiang Chint Instrument & Meter Co., Ltd.					
Modelo <i>Model</i>	DDSU666					
Aplicación <i>Application</i>	Single Phase					
Tensión nominal <i>Nominal voltage</i>	220/230V					
Corriente máxima <i>Max. current</i>	80A					
Clase de precisión <i>Class of accuracy</i>	I					
Tipo de comunicación <i>Type of communication</i>	RS 485					
Esquema básico del sistema *) <i>Basic system diagram</i>						



***) Para cumplir los requisitos de RD 244/2019, ANEXO I y UNE 217001 IN: 2020, se instalará el dispositivo adicional.**
To fulfill the requirements of RD 244/2019, ANEXO I and UNE 217001 IN : 2020, the additional device shall be installed.

CERTIFICATE



of Conformity Low Voltage Directive 2014/35/EU

Registration No.: AN 50562025 0001

Report No.: CN22I5JF 001

Holder: Guangzhou Sanjing Electric Co., Ltd.
No.9, Lizhishan Road, Science City,
Guangzhou High-tech Zone,
Guangdong
P.R. China

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

Identification: Type Designation: R6-5K-S2-X, R6-6K-S2-X, R6-7K-S2-X,
R6-8K-S2-X, R6-9K-S2-X, R6-10K-S2-X,
R6-5K-S3, R6-6K-S3, R6-7K-S3,
R6-8K-S3, R6-9K-S3, R6-10K-S3
Serial Number : Engineering samples
Remark(s) : Issued in conjunction with TÜV Rheinland
license R 50561868 pages 0001-0002.

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 18.10.2022

A handwritten signature in blue ink, appearing to be 'A. Chen'.
A. Chen

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

The CE marking, consisting of the letters 'C' and 'E' in a stylized font.
The CE marking may be used if all relevant and effective EC Directives are complied with.



Guangzhou Sanjing Electric Co.,
Ltd.
Mr. Li Yun

Date : 18.10.2022
Our ref. : 02
Your ref.: 168385764

No.9, Lizhishan Road, Science City,
Guangzhou High-tech Zone,
Guangdong
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 50562025 0001
Report No. : CN22I5JF 001

Dear Mr. Li Yun,

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. In case you have a change regarding your involved local representative for the certificate, please inform us in due time.

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

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50561868

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*
168385764

Unser Zeichen *Our Reference*
02--CN22I5JF 001

Ausstellungsdatum *Date of Issue*
18.10.2022 (day/mo/yr)

Genehmigungsinhaber *License Holder*

Guangzhou Sanjing Electric Co., Ltd
No.9, Lizhishan Road, Science City,
Guangzhou High-tech Zone,
Guangdong
P.R. China

Fertigungsstätte *Manufacturing Plant*

Refer to latest revision
of the annex list of factories

Prüfzeichen *Test Mark*



Type Approved
Safety
Regular Production
Surveillance

www.tuv.com
ID 1111260515

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-Inverter (Grid-connected PV Inverter)

Type Designation: 1)R6-5K-S2-X, 2)R6-6K-S2-X, 3)R6-7K-S2-X,
4)R6-8K-S2-X, 5)R6-9K-S2-X, 6)R6-10K-S2-X,
7)R6-5K-S3, 8)R6-6K-S3, 9)R6-7K-S3,
10)R6-8K-S3, 11)R6-9K-S3, 12)R6-10K-S3

21

Vmax PV [Vd.c.] : 600
Isc PV [Ad.c.] : 1)2)3)4)5)6)19.2/19.2
7)8)9)10)11)12)19.2/19.2/19.2
MPP Voltage Range [Vd.c.] : 90-550
Max. Input Current [Ad.c.] : 1)2)3)4)5)6)16/16
7)8)9)10)11)12)16/16/16
Overvoltage Category (OVC) : II for PV Side

Rated Output Voltage [Va.c.] : L/N/PE, 220/230
Rated Output Frequency [Hz] : 50/60
Rated Output Power [kW] : 1)7)5000, 2)8)6000, 3)9)7000
4)10)8000, 5)11)9000, 6)12)10000
Max. Output Current [Aa.c.] : 1)7)21.7, 2)8)26.1, 3)9)30.4
4)10)34.8, 5)11)39.1, 6)12)43.5
Power Factor : [0.8 leading~0.8 lagging]
Overvoltage Category (OVC) : III for AC mains
continued on page 0002



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

http://www.tuv.com/safety E-mail: markcheck@tuv.com
Fax: +49 221 806-3935

A. Chen

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50561868

Blatt *Sheet*
0002

Ihr Zeichen *Client Reference*
168385764

Unser Zeichen *Our Reference*
02--CN22I5JF 001

Ausstellungsdatum *Date of Issue*
18.10.2022
(day/mo/yr)

Genehmigungsinhaber *License Holder*

Guangzhou Sanjing Electric Co., Ltd
No.9, Lizhishan Road, Science City,
Guangzhou High-tech Zone,
Guangdong
P.R. China

Fertigungsstätte *Manufacturing Plant*

Refer to latest revision
of the annex list of factories

Prüfzeichen *Test Mark*



Type Approved
Safety
Regular Production
Surveillance

www.tuv.com
ID 1111260515

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-Inverter (Grid-connected PV Inverter)

as page 0001 continuation

Protective Class : Class I
Ingress Protection (IP) : IP65
Pollution Degree (PD) : PD3
Altitude [m] : 3000
Operating Temperature [°C]: -40°C to +60°C
(45°C to 60°C with 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.



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

http://www.tuv.com/safety E-mail: markcheck@tuv.com
Fax: +49 221 806-3935

A. Chen

**Anlage Fertigungsstättenliste
/ Attachment List of Factories**



R 50561868 0001

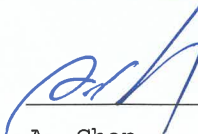
- 1 Guangzhou Sanjing Electric Co., Ltd.
No.9, Lizhishan Road, Science City,
Guangzhou High-tech Zone,
Guangdong
P.R. China



Zertifizierungsstelle
/ Certification Body

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

Datum / Date 18.10.2022


A. Chen

Guangzhou Sanjing Electric Co.,
Ltd.
Mr. Li Yun

Date : 18.10.2022
Our ref. : 02
Your ref.: 168385764

No.9, Lizhishan Road, Science City,
Guangzhou High-tech Zone,
Guangdong
P.R. China

Ref : R TÜV-Mark Approval

Type of Equipment : Grid-connected PV Inverter
Model Designation : See Certificate
Certificate No. : R 50561868 0001
Report No. : CN22I5JF 001

Dear Mr. Li Yun,

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. In case you have a change regarding your involved local representative for the certificate, please inform us in due time.

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

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

Registration No.: AE 50557534 0001

Report No.: CN2211PB 001

Holder: Guangzhou Sanjing Electric Co., Ltd.
No.9, Lizhishan Road, Science City,
Guangzhou High-tech Zone,
Guangdong
P.R. China

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

Identification: R6-5K-S3 R6-6K-S3 R6-7K-S3 R6-8K-S3
R6-9K-S3 R6-10K-S3 R6-5K-S2-X R6-6K-S2-X
R6-7K-S2-X R6-8K-S2-X R6-9K-S2-X R6-10K-S2-X

Serial No.: n.a.

Remark: Refer to above-listed test report for details.

Tested acc. to: EN IEC 61000-6-1:2019
EN IEC 61000-6-2:2019
EN IEC 61000-6-3:2021
EN IEC 61000-6-4:2019

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 01.09.2022



Certification Body



Tongle Lee

TÜV Rheinland LGA Products GmbH Tillystraße 2 - 90431 Nürnberg

Guangzhou Sanjing Electric Co.,
Ltd.

Date : 01.09.2022
Our ref. : AOFEL 02
Your ref.:

No.9, Lizhishan Road, Science City,
Guangzhou High-tech Zone,
Guangdong
P.R. China

Ref : AE Certificate of Conformity EMC

Type of Equipment : Grid-connected PV Inverter
Model Designation : See Certificate
Certificate No. : AE 50557534 0001
Report No. : CN2211PB 001

Dear Ladies and Gentlemen,

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

Tongle Lee

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