

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50467639

Blatt *Sheet*
0001

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
Daniel Du	01-DJW-50366652 001	19.05.2020	(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. 608, Changning Avenue,
New & High Technology Industrial Develop
Hefei City,
Anhui
P.R. China

Prüfzeichen *Test Mark*



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

www.tuv.com
ID 1111223641

Geprüft nach *Tested acc. to*

IEC 62109-1:2010
IEC 62109-2:2011
EN 62109-1:2010
EN 62109-2:2011
EN 62477-1:2012+A11

Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

Lizenzentgelte - Einheit *License Fee - Unit*

PV-Wechselrichter (Hybrid Inverter)

Type Designation	: SH5.0RT	SH6.0RT	9
Vmax PV[Vd.c.]	: 1000		
Isc PV[Ad.c.]	: 16/16		
MPP Voltage Range[Vd.c.]	: 150~950	200~950	
Max.Input Current[Ad.c.]	: 12.5/12.5		
Overvoltage Category(OVC)	: II for PV		
Rated Output Voltage[Va.c.]: 3/N/PE, 220/230/240			
Rated Output Frequency[Hz]	: 50/60		
Rated Output Power[KW]	: 5	6	
Max.Output Current[Aa.c.]	: 7.6	9.1	
Power factor	: [-0.80, 0.80]		
Overvoltage Category(OVC)	: III for AC Mains		

continued on page 0002

9

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 50467639

Blatt *Sheet*
0002

Ihr Zeichen *Client Reference*
Daniel Du

Unser Zeichen *Our Reference*
01-DJW-50366652 001

Ausstellungsdatum *Date of Issue*
19.05.2020 (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. 608, Changning Avenue,
New & High Technology Industrial Develop
Hefei City,
Anhui
P.R. China

Prüfzeichen *Test Mark*



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

www.tuv.com
ID 1111223641

Geprüft nach *Tested acc. to*

IEC 62109-1:2010
IEC 62109-2:2011
EN 62109-1:2010
EN 62109-2:2011
EN 62477-1:2012+A11

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

PV-Wechselrichter (Hybrid Inverter)

as page 0001 continuation

Backup Rated Output Volt. [Va.c.] : 3/N/PE, 220/230/240
Backup Rated Output Freq. [Hz] : 50/60
Backup Rated Output Power. [kW] : 5 6
Overvoltage Category (OVC) : II for Backup
VMAX BAT[Vd.c.] : 600

Battery Type : Li-ion battery
Voltage Range[Vd.c.] : 150-600
Max.Charge/Discharge Current I_{MAX} [A] : 30/30
Max.Charge/Discharge power [W] : 7500/6000 9000/7200
Overvoltage Category (OVC) : II for Battery

continued on page 0003

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 50467639

Blatt *Sheet*
0003

Ihr Zeichen *Client Reference*
Daniel Du

Unser Zeichen *Our Reference*
01-DJW-50366652 001

Ausstellungsdatum *Date of Issue*
19.05.2020 (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. 608, Changning Avenue,
New & High Technology Industrial Develop
Hefei City,
Anhui
P.R. China

Prüfzeichen *Test Mark*



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

www.tuv.com
ID 1111223641

Geprüft nach *Tested acc. to*

IEC 62109-1:2010
IEC 62109-2:2011
EN 62109-1:2010
EN 62109-2:2011
EN 62477-1:2012+A11

**Zertifiziertes Produkt (Geräteidentifikation)
*Certified Product (Product Identification)***

**Lizenzentgelte - Einheit
*License Fee - Unit***

PV-Wechselrichter (Hybrid Inverter)

as page 0002 continuation

2

Type Designation : SH8.0RT SH10RT
Vmax PV[Vd.c.] : 1000
Isc PV[Ad.c.] : 16/16 16/32
MPP Voltage Range[Vd.c.] : 200~950
Max.Input Current[Ad.c.] : 12.5/12.5 12.5/25
Overvoltage Category(OVC) : II for PV

Rated Output Voltage[Va.c.] : 3/N/PE, 220/230/240
Rated Output Frequency[Hz] : 50/60
Rated Output Power[W] : 8 10
Max.Output Current[Aa.c.] : 12.1 15.2
Overvoltage Category(OVC) : III for AC mains
Power factor : [-0.80, 0.80]

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



Li
Weichun Li

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50467639

Blatt *Sheet*
0004

Ihr Zeichen *Client Reference*
Daniel Du

Unser Zeichen *Our Reference*
01-DJW-50366652 001

Ausstellungsdatum *Date of Issue*
19.05.2020
(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. 608, Changning Avenue,
New & High Technology Industrial Develop
Hefei City,
Anhui
P.R. China

Prüfzeichen *Test Mark*



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

www.tuv.com
ID 1111223641

Geprüft nach *Tested acc. to*

IEC 62109-1:2010
IEC 62109-2:2011
EN 62109-1:2010
EN 62109-2:2011
EN 62477-1:2012+A11

**Zertifiziertes Produkt (Geräteidentifikation)
*Certified Product (Product Identification)***

**Lizenzentgelte - Einheit
*License Fee - Unit***

PV-Wechselrichter (Hybrid Inverter)

as page 0003 continuation

Backup Rated Output Volt. [Va.c.] : 3/N/PE, 220/230/240
Backup Rated Output Freq. [Hz] : 50/60
Backup Rated Output Power. [kW] : 8 10
Overvoltage Category (OVC) : II for Backup
VMAX BAT [Vd.c.] : 600

Battery Type : Li-ion battery
Voltage Range [Vd.c.] : 150-600
Max.Charge/Discharge Current I_{MAX} [A] : 30/30
Max.Charge/Discharge power [W] : 10600/10600
Overvoltage Category (OVC) : II for Battery

Continued on page 0005

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 50467639

Blatt *Sheet*
0005

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i>
Daniel Du	01-DJW-50366652 001	19.05.2020	(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. 608, Changning Avenue,
New & High Technology Industrial Develop
Hefei City,
Anhui
P.R. China

Prüfzeichen *Test Mark*



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung
www.tuv.com
ID 1111223641

Geprüft nach *Tested acc. to*

IEC 62109-1:2010
IEC 62109-2:2011
EN 62109-1:2010
EN 62109-2:2011
EN 62477-1:2012+A11

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

PV-Wechselrichter (Hybrid Inverter)

as page 0004 continuation

Protective Class : Class I
Ingress Protection(IP) : IP65
Pollution Degree(PD) : PD3
Operating Temperature[°C] : -25 to 60 (>40 derating)
Altitude[m] : up to 4000
Type of Inverter : Non-isolated

Remark(s) :

The installation has to be carried out according to the attached installation instruction.
Any additional requirements in countries where the product is going to be marketed have to be considered additionally.

ANLAGE (Appendix): 1.0

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

TÜV Rheinland (China) Ltd.
Member of TÜV Rheinland Group



Sungrow Power Supply Co., Ltd.
Daniel Du

Date : 19.05.2020
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 : R TÜV-Bauart-Zeichen o. Akkred. Nr.

Type of Equipment : Hybrid Inverter
Model Designation : See Certificate
Certificate No. : R 50467639 0001
Report No. : 50366652 001

Dear Daniel Du,

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

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

TÜV Rheinland (China) Ltd.
莱茵检测认证服务(中国)有限公司

Unit 707, AVIC Bldg., No. 10B,
Central Road, East 3rd Ring
Road, Chaoyang District,
Beijing, 100022, P.R.China

北京市朝阳区东三环中路乙10号
艾维克大厦707室
邮编: 100022

Tel: (8610)6566 6660
Fax: (8610)6566 6667
e-mail: info@bj.chn.tuv.com
Internet: <http://www.chn.tuv.com>

C E R T I F I C A T E



of Conformity Low Voltage Directive 2014/35/EU

Registration No.: AN 50467685 0001

Report No.: 50366652 001

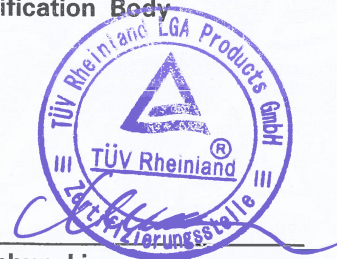
Holder: Sungrow Power Supply Co., Ltd.
No.1699 Xiyou Rd., New & High
Technology Industrial
Development Zone,
Hefei
230088 Anhui
P.R. China

Product: PV-Inverter
(Hybrid Inverter)

Identification: Type Designation: SH5.0RT SH6.0RT
SH8.0RT SH10RT
Serial Number : Engineering Sample
Remark(s) : Issued in conjunction with TÜV Rheinland
license R 50467639 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.

Certification Body



Date 19.05.2020

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 : 19.05.2020
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 : Hybrid Inverter
Model Designation : See Certificate
Certificate No. : AN 50467685 0001
Report No. : 50366652 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

CC: Sungrow Power Supply Co., Ltd.

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