

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50527782

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>
168339913	02-Kese-CN21EIMD 001	21.02.2022	

## Genehmigungsinhaber *License Holder*

Shenzhen SOFARSOLAR Co., Ltd.  
11/F., Gaoxinqi Technology Building  
No.67 Area, Xingdong Community,  
Xin'an Sub-district, Bao'an District  
Shenzhen City,  
Guangdong  
P.R. China

## Fertigungsstätte *Manufacturing Plant*

Refer to latest revision  
of the annex list of factories

## Prüfzeichen *Test Mark*



## 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 (Hybrid Inverter)

Type Designation: HYD 5KTL-3PH, HYD 6KTL-3PH, HYD 8KTL-3PH, 16  
HYD 10KTL-3PH, HYD 10KTL-3PH-A,  
HYD 15KTL-3PH, HYD 20KTL-3PH

Vmax PV [Vd.c.] : 1000  
Isc PV [Ad.c.] : 15/15, 15/15, 15/15, 30/30,  
30/30, 30/30, 30/30  
MPP Voltage Range [Vd.c.] : 180-960  
Max. Input Current [Ad.c.] : 12.5/12.5, 12.5/12.5, 12.5/12.5  
25/25, 25/25, 25/25, 25/25  
Battery Operating voltage Range [Vd.c.] : 180-800  
Battery Operating Current Range [Ad.c.]: 25, 25, 25, 25/25,  
25/25, 25/25, 25/25  
Overvoltage Category (OVC) : II for PV Side and DC Side  
Rated Output Volt. [Va.c.] : 230  
Rated Output Freq. [Hz] : 50 / 60  
Rated Output Power. [kW] : 5, 6, 8, 10, 10, 15, 20  
Max. Output Current. [Aa.c.]: 8, 10, 13,16, 16, 24, 32  
Power Factor : 1 default( +/-0.8 adjustable)  
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

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Zertifikat Nr. *Certificate No.*  
R 50527782

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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>
168339913	02-Kese-CN21EIMD 001	21.02.2022	

**Genehmigungsinhaber *License Holder***  
Shenzhen SOFARSOLAR Co., Ltd.  
11/F., Gaoxingi Technology Building  
No.67 Area, Xingdong Community,  
Xin'an Sub-district, Bao'an District  
Shenzhen City,  
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 1111248279

## 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 (Hybrid Inverter)

as page 0001 continuation

Protective Class : Class I  
Ingress Protection (IP) : IP65  
Pollution Degree (PD) : PD3  
Altitude [m] : 2000  
Operating Temperature [°C]: -30 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**

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



Zertifizierungsstelle

A. Chen

**Anlage Fertigungsstättenliste**  
**/Attachment List of Factories**



R 50527782 0001

- 1 Dongguan SOFAR SOLAR Co., Ltd.  
1F - 6F, Building E,  
No. 1 JinQi Road,  
BiHu Industrial Park, Wulian Village,  
Fenggang Town, Dongguan City  
Guangdong  
P.R. China

TÜVRheinland



Zertifizierungsstelle  
/ Certification Body

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

Datum / Date 21.02.2022

A handwritten signature in blue ink, appearing to be "A. Chen", written over a horizontal line.

A. Chen

Shenzhen SOFARSOLAR Co., Ltd.

Date : 21.02.2022

Our ref. : Kese 02

Your ref.: 168339913

11/F., Gaoxingqi Technology  
Building,  
No.67 Area, Xingdong Community,  
Xin'an Sub-district, Bao'an  
District,  
Shenzhen City,

**Ref : R TÜV-Mark Approval**

Type of Equipment : Hybrid Inverter  
Model Designation : See Certificate  
Certificate No. : R 50527782 0001  
Report No. : CN21EIMD 001

Dear Ladies and Gentlemen,

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](http://www.certipedia.com)查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询