Zertifikat *Certificate*

Zertifikat Nr. *Certificate No.*
R 50539277

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*	**Unser Zeichen** *Our Reference*	**Ausstellungsdatum** *Date of Issue*
168359529	02--CN22HKJ8 001	29.04.2022 *(day/mo/yr)*

Genehmigungsinhaber *License Holder*
SINENG ELECTRIC CO., LTD.
No.6, Hehui Road,
Huishan District,
Wuxi
214174 Jiangsu
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 1111252484

Geprüft nach *Tested acc. to*
EN 62109-1:2010
EN 62109-2:2011
IEC 62109-1:2010
IEC 62109-2:2011

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

Lizenzentgelte - Einheit
License Fee - Unit

PV-Inverter (Grid-connected PV Inverter)

Type Designation	: SP-320K-H, SP-350K-INH, SP-350K-H1	12
Vmax PV [Vd.c.]	:1500	
Isc PV [Ad.c.]	:60*12	
MPP Voltage Range[Vd.c.]	:500-1500	
Max. Input Current [Ad.c.]	:45*12	
Overvoltage Category (OVC)	:II for PV	
Rated Output Volt. [Va.c.]	:3W+PE, 800	
Rated Output Freq. [Hz]	:50/60	
Rated Output Power. [kW]	:320, 295, 320	
Max. Output Current. [Aa.c.]	:231, 213, 231	
Power Factor	:[-0.80, 0.80]	
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.

Zertifizierungsstelle

A. Chen

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
http://www.tuv.com/safety E-mail: markcheck@tuv.com
Fax: +49 221 806-3935

10/020 d 04.08 ® TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval.

Zertifikat *Certificate*

TÜVRheinland®

Zertifikat Nr. *Certificate No.*
R 50539277

Blatt *Sheet*
0002

Ihr Zeichen *Client Reference*	**Unser Zeichen** *Our Reference*	**Ausstellungsdatum** *Date of Issue*
168359529	02--CN22HKJ8 001	29.04.2022 *(day/mo/yr)*

Genehmigungsinhaber *License Holder*
SINENG ELECTRIC CO., LTD.
No.6, Hehui Road,
Huishan District,
Wuxi
214174 Jiangsu
P.R. China

Fertigungsstätte *Manufacturing Plant*
Refer to latest revision
of the annex list of factories

Prüfzeichen *Test Mark*

TÜVRheinland® CERTIFIED
Type Approved
Safety
Regular Production
Surveillance
www.tuv.com
ID 1111252484

Geprüft nach *Tested acc. to*
EN 62109-1:2010
EN 62109-2:2011
IEC 62109-1:2010
IEC 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)	:	IP66
Pollution Degree (PD)	:	PD3
Altitude[m]	:	≤4000
Operating Temperature [°C]	:	-30 to 60 (> 40 derating), -30 to 60 (> 50 derating), -30 to 60 (> 40 derating)
Type of Inverter	:	Isolated (External isolation transformer)

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 TÜVRheinland® Zertifizierungsstelle

Zertifizierungsstelle

A. Chen

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
http://www.tuv.com/safety E-mail: markcheck@tuv.com
Fax: +49 221 806-3935

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Anlage Fertigungsstättenliste
/Attachment List of Factories

R 50539277 0001

1 SINENG ELECTRIC CO., LTD.
No.6, Hehui Road,
Huishan District,
Wuxi
214174 Jiangsu
P.R. China

2 SINENG ELECTRIC INDIA PVT LTD.
PLOT SY # 50/2, 50/3, 50/4 and 50/5,
HEGGADADEVANAPURA, APMC ROAD,
BENGALURU 562123
India

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

Datum / Date 29.04.2022

Zertifizierungsstelle
/ Certification Body

A. Chen

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

TÜVRheinland®
Precisely Right.

SINENG ELECTRIC CO., LTD.

No.6, Hehui Road,
Huishan District,
Wuxi
214174 Jiangsu
P.R. China

Date : 29.04.2022
Our ref. : 02
Your ref.: 168359529

Ref : R TÜV-Mark Approval

Type of Equipment : Grid-connected PV Inverter
Model Designation : See Certificate
Certificate No. : R 50539277 0001
Report No. : CN22HKJ8 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

Room 301, 3F and Room 1203, 12F, Building C, CATIC Plaza , No. 15, Ronghua South Road, Beijing Economic-Technological Development Area, 100176, Beijing

北京市北京经济技术开发区荣华南路15号院中航技广场C座3层301室、12层1203室
邮编：100176

Tel: 86 10 8524 2222
Fax: 86 10 8524 2200
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 50539280 0001

Report No.: CN22HKJ8 001

Holder:
SINENG ELECTRIC CO., LTD.
No.6, Hehui Road,
Huishan District,
Wuxi
214174 Jiangsu
P.R. China

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

Identification:

```
Type Designation : SP-320K-H, SP-350K-INH, SP-350K-H1
Serial Number    : 30000621030620016
Remark(s)        : Issued in conjunction with TÜV Rheinland
                   license R 50539277 pages 0001~0002.
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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 29.04.2022

A. Chen

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

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

TÜVRheinland®
Precisely Right.

SINENG ELECTRIC CO., LTD.

No.6, Hehui Road,
Huishan District,
Wuxi
214174 Jiangsu
P.R. China

Date : 29.04.2022
Our ref. : 02
Your ref.: 168359529

Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment : Grid-connected PV inverter
Model Designation : See Certificate
Certificate No. : AN 50539280 0001
Report No. : CN22HKJ8 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.
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With kind regards,

Certification Body

A. Chen

Enclosure

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

Room 301, 3F and Room 1203, 12F, Building C, CATIC Plaza , No. 15, Ronghua South Road, Beijing Economic-Technological Development Area, 100176, Beijing

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