

Certificate of Conformity

Registered No.:
COCSHV02023/20

| File reference | Test report No. | Date of issue |
|----------------|------------------|---------------|
| SHV02023/20-02 | TRSHV02023/20/01 | 2020-04-09 |
| SHV02023/20-03 | TRSHV02023/20/02 | |

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 Road, New & High Technology Industrial Development Zone
Hefei City, Anhui Province, 230088, P.R China

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

Product: **Grid-connected PV inverter**

Type designation: **SG25CX-SA**

Standard(s): Test according to IEC 61727:2004 and IEC 62116:2014 for PV Inverter.
See test report for detailed information.

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

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

CERTIFICATE

Sungrow Power Supply Co., Ltd.

No. 1699 Xiyou Road, New & High Technology Industrial Development Zone, Hefei City, Anhui Province, 230088

is authorized to provide the product(s) mentioned below with the mark as illustrated:



Description of product(s) (details see Annex 2):

Grid-connected PV inverter

It is certified by **TÜV NORD CERT GmbH** that the product(s) described above has(have) been assessed according to the certification program mentioned below and found in compliance with the requirements of below specified certification fundamental(s). This certification is based on evaluation results as documented in test report(s) referenced below and production site(s) audit results as documented in factory inspection report(s) referenced in Annex 1. This certificate is valid in conjunction with these quoted report(s).

| | | |
|-------------------------------|------------------------------------|-------------------------|
| Certification program: | P33-VA-01 Rev. 01 06.18 | |
| Certification fundamental(s): | IEC 62109-1:2010; IEC 62109-2:2011 | |
| Registered no.: | 44 780 20 406749 - 061 | |
| Manufacturer: | See Annex 1 | |
| Test report no.: | 492011398.001 | Valid from: 2020-04-09 |
| File no.: | SHV02023/20-01 | Valid until: 2025-04-08 |



TÜV NORD CERT GmbH
Certification Body
Balance of System (BOS) for Photovoltaics



Essen, 2020-04-09

ANNEX

Annex 1, Page 1 of 1

to Certificate registration no. 44 780 20 406749 - 061

Manufacturer(s):

Manufacturer :

Sungrow Power Supply Co., Ltd.

No. 1699 Xiyou Road, New & High Technology Industrial Development Zone, Hefei City, Anhui Province, 230088

Factory inspection report no.:

862010394.002

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.

A handwritten signature in blue ink, appearing to read "Alvance Wei".

ANNEX

Annex 2, Page 1 of 1

to Certificate registration no. 44 780 20 406749 - 061

Description of product(s):

| | | | |
|--|------------------------------|--|----------------------|
| Model type(s) | SG25CX-SA | | |
| PV Input: | | | |
| Vmax [Vd.c.]..... | 1100 | Isc [Ad.c.]..... | 3*40 |
| MPP Voltage Range [Vd.c.] | 200-1000 | MPP Full Power Voltage Range [Vd.c.] | 400-850 |
| Max. Input Current [Ad.c.]..... | 3*26 | MPPT tracking..... | 3 |
| Back-feed Current [A]..... | 0 | - | - |
| AC Output: | | | |
| Rated Output Voltage [Va.c.] | 220/1273F/N/PE | Rated Output Frequency [Hz] .. | 50/60 |
| Rated Output Power [W] | 25000 | Max. Apparent Power [W] | 27500 |
| Max. Output Current [Aa.c.] | 72.2 | Power Factor cosφ [λ] | [-0.80, 0.80] |
| General Information: | | | |
| Type of inverter | Non-isolated | Separated by | Transformer-less |
| Protective Class | Class I | Enclosure Protection (IP) | IP66 |
| Operating Temperature Range [°C] | -30 to 60 (>50 derating) | Pollution degree (PD)..... | PD 3 (Inside PD2) |
| Weight [kg] | 62 | Size (W x H x D) [mm]..... | 740*645*310 |
| Over voltage Category (OVC)..... | PV Input: II, AC Output: III | | |
| Firmware Control board | MDSP_AGATE-S_V11_V01_A | | |
| Firmware LCD | LCD_AGATE-S_V11_V01_A | | |

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 2 of test report.



CERTIFICATE

of conformity with the following European Directives
Low Voltage Directive 2014/35/EU

This certifies that below described products of the applicant:

Sungrow Power Supply Co., Ltd.

No. 1699 Xiyou Road, New & High Technology Industrial
Development Zone, Hefei City, Anhui Province, 230088

comply to the essential requirements of the above mentioned European Directive and the following standards,
taking into account the German national deviations:

| | |
|-----------------------|---|
| Product(s): | Grid-connected PV inverter |
| Model type(s): | EN 62109-1:2010, EN 62109-2:2011 |
| Standard(s): | SG25CX-SA |

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.

| | |
|------------------|------------------------|
| Registered no.: | 44 799 20 406749 - 026 |
| Test report no.: | 492011398.001 |
| File no.: | SHV02023/20-01 |



TÜV NORD CERT GmbH
Certification Body
Balance of System (BOS) for Photovoltaics

Essen, 2020-04-09

TÜV NORD CERT GmbH Langemarckstraße 20 45141 Essen www.tuev-nord-cert.de prodcert@tuev-nord.de

Please also pay attention to the information stated overleaf.

ANNEX

Annex 1, Page 1 of 1

to Certificate registration no. 44 799 20 406749 - 026

Description of product(s):

| | | | |
|--|------------------------------|--|----------------------|
| Model type(s) | SG25CX-SA | | |
| PV Input: | | | |
| Vmax [Vd.c.] | 1100 | Isc [Ad.c.] | 3*40 |
| MPP Voltage Range [Vd.c.] | 200-1000 | MPP Full Power Voltage Range [Vd.c.] | 400-850 |
| Max. Input Current [Ad.c.] | 3*26 | MPPT tracking | 3 |
| Back-feed Current [A] | 0 | - | - |
| AC Output: | | | |
| Rated Output Voltage [Va.c.] | 220/1273F/N/PE | Rated Output Frequency [Hz] . . | 50/60 |
| Rated Output Power [W] | 25000 | Max. Apparent Power [W] | 27500 |
| Max. Output Current [Aa.c.] | 72.2 | Power Factor cosφ [λ] | [-0.80, 0.80] |
| General Information: | | | |
| Type of inverter | Non-isolated | Separated by | Transformer-less |
| Protective Class | Class I | Enclosure Protection (IP) | IP66 |
| Operating Temperature Range [°C] | -30 to 60 (>50 derating) | Pollution degree (PD) | PD 3 (Inside PD2) |
| Weight [kg] | 62 | Size (W x H x D) [mm] | 740*645*310 |
| Over voltage Category (OVC) ... | PV Input: II, AC Output: III | | |
| Firmware Control board | MDSP_AGATE-S_V11_V01_A | | |
| Firmware LCD | LCD_AGATE-S_V11_V01_A | | |

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 2 of test report.

