

To:

Company: Sungrow Power Supply Co., Ltd.
Contact: Mr. Wang Kai
Email: wangkai@cn.sungrowpower.com

From:

Company: TÜV NORD (HANGZHOU) CO., LTD.
Contact: Ms. Miley Li
Email: wli@tuv-nord.com

2020-11-13

Subject: Declaration of cancellation

File No.: PVP08035/20B-01

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

Manufacturer 1: **Sungrow Power Supply Co., Ltd.**
No. 1699 Xiyou Road, New & High Technology Industrial Development Zone
Hefei City, Anhui Province, 230088

Manufacturer 2: **Sungrow Power Supply Co., Ltd.**
No. 608 Changning Avenue, New & High Technology Industrial Development
Zone Hefei, 230088 P.R. China

Certificate No.: 44 780 20 406749 - 116R1

Product: Grid-connected PV inverter

Herewith it is declared, that the above noted certificate(s) has (have) been invalidated since the date 2020-11-13.

The cancellation is to:

- ☐ License holder applied for cancellation.
- ☒ New certificate(s) has (have) been issued to replace the cancelled one(s).
(New certificate(s) : 44 780 20 406749 - 116R1M1)
- ☐ Annual factory inspection is refused by the license holder or the manufacturer.
- ☐ Factory Inspection fee or annual fee or registration fee is not paid by License Holder or Manufacturer.
- ☐ Others. (N/A)

Please pay attention to stop using the invalid certificate(s) from 2020-11-13. Meanwhile, please send back the original copies of above mentioned certificate(s) to us.

TÜV NORD reserved the right of final explanation about the cancellation of certificate(s). TÜV NORD will not take any responsibility for the circumstance of misusing the invalid certificate(s) by the license holder or the manufacturer.

PV Business - Renewable Energy
TÜV NORD (Hangzhou) Co., Ltd.

Miley Li

Technical Support

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. 02 04.20	
Certification fundamental(s):	IEC 62109-1:2010; IEC 62109-2:2011	
Registered no.:	44 780 20 406749 - 116R1M1	
Manufacturer and factory(-ies):	See Annex 1	
Test report no.:	492011453.002	Valid from: 2020-11-13
File no.:	PVP08035/20B-01	Valid until: 2025-07-06



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



Essen, 2020-11-13

ANNEX

Annex 1, Page 1 of 1

to Certificate registration no. 44 780 20 406749 - 116R1M1

Manufacturer:

Sungrow Power Supply Co., Ltd.

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

Factory(-ies):

Factory 1:

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

Factory 2:

Sungrow Power Supply Co., Ltd.

No. 608 Changning Avenue, New & High Technology Industrial Development Zone
Hefei, 230088 P.R. China

Factory inspection report no.: 862010486.001

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 "Almair Wei".

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

Essen, 2020-11-13

ANNEX

Annex 2, Page 1 of 7

to Certificate registration no. 44 780 20 406749 - 116R1M1

Description of product(s):

Model type.....:	SG3400HV-30		
General information			
Type of inverter.....:	Non-isolated	Separated by	None / Transformer-less
IP grade.....:	IP65 (IP 55 optional)	Dimension (W x H x D)	2280mm x 2280mm x 1600mm
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-35°C to 60°C (>50°C derating)	Altitude	4000m (>3000m derating)
Safety Class	Class I	Weight.....	3200kg
Firmware of control board :	DSP_SG3125HV-30_V1_A	Firmware of LCD.....	LCD_SG3125HV-30_V1_A
PV input			
Vmax	1500V d.c.	Isc	10000A d.c.
Number of inputs	18 / 22 / 24 / 28	Number of MPPT tracking.....	2 (Optional 1)
MPP voltage range	875V d.c. - 1300V d.c.	MPP full power voltage range	875V d.c. - 1300V d.c.
Max input current.....:	3997A d.c.	Back-feed current.....	0A
AC output			
Rated Output Voltage	600V a.c.	Rated Output Frequency..... :	50Hz / 60Hz
Rated output power	3437kW	Max. apparent power	3437kVA
Max output current.....:	3308A a.c.	Power factor cosφ..... :	[-0.8, 0.8]



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ANNEX

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to Certificate registration no. 44 780 20 406749 - 116R1M1

Model type	SG3125HV-30		
General information			
Type of inverter	Non-isolated	Separated by..... :	None / Transformer-less
IP grade.....	IP65 (IP55 optional)	Dimension (W x H x D)	2280mm x 2280mm x 1600mm
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-35°C to 60°C (>50°C derating)	Altitude..... :	4000m (>3000m derating)
Safety Class.....	Class I	Weight..... :	3200kg
Firmware of control board.....	DSP_SG3125HV-30_V1_A	Firmware of LCD..... :	LCD_SG3125HV-30_V1_A
PV input			
Vmax	1500V d.c.	Isc	10000A d.c.
Number of inputs	18/22/24/28	Number of MPPT tracking..... :	2 (Optional: 1)
MPP voltage range	875V d.c. - 1300V d.c.	MPP full power voltage range	875V d.c. - 1300V d.c.
Max input current	3997A d.c.	Back-feed current..... :	0A
AC output			
Rated Output Voltage	600V a.c.	Rated Output Frequency..... :	50Hz / 60Hz
Rated output power	3125kW	Max. apparent power	3437kVA
Max output current.....	3308A a.c.	Power factor cosφ	[-0.8, 0.8]



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Please also pay attention to the information stated overleaf.

ANNEX

Annex 2, Page 3 of 7

to Certificate registration no. 44 780 20 406749 - 116R1M1

Model type	SG3125HV-31		
General information			
Type of inverter	Non-isolated	Separated by..... :	None / Transformer-less
IP grade.....	IP65 (IP 55 optional)	Dimension (W x H x D)	2280mm x 2280mm x 1600mm
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-35°C to 60°C (>50°C derating)	Altitude	4000m (>3000m derating)
Safety Class.....	Class I	Weight..... :	3200kg
Firmware of control board.....	DSP_SG3125HV-31_V1_A	Firmware of LCD..... :	LCD_SG3125HV-31_V1_A
PV input			
Vmax	1500V d.c.	Isc	10000A d.c.
Number of inputs	18 / 22 / 24 / 28	Number of MPPT tracking..... :	2 (Optional 1)
MPP voltage range	915V d.c. - 1300V d.c.	MPP full power voltage range	915V d.c. - 1300V d.c.
Max input current	3997A d.c.	Back-feed current..... :	0A
AC output			
Rated Output Voltage	630V a.c.	Rated Output Frequency..... :	50Hz / 60Hz
Rated output power	3125kW	Max. apparent power	3610kVA
Max output current.....	3308A a.c.	Power factor cosφ	[-0.8, 0.8]



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to Certificate registration no. 44 780 20 406749 - 116R1M1

Model type	SG3125HV-32		
General information			
Type of inverter	Non-isolated	Separated by..... :	None / Transformer-less
IP grade.....	IP65 (IP 55 optional)	Dimension (W x H x D)	2280mm x 2280mm x 1600mm
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-35°C to 60°C (>50°C derating)	Altitude	4000m (>3000m derating)
Safety Class.....	Class I	Weight.....	3200kg
Firmware of control board.....	DSP_SG3125HV-32_V1_A	Firmware of LCD.....	LCD_SG3125HV-32_V1_A
PV input			
Vmax	1500V d.c.	Isc	10000A d.c.
Number of inputs	18 / 22 / 24 / 28	Number of MPPT tracking.....	2 (Optional 1)
MPP voltage range	960V d.c. - 1300V d.c.	MPP full power voltage range	960V d.c. - 1300V d.c.
Max input current	3997A d.c.	Back-feed current.....	0A
AC output			
Rated Output Voltage	660V a.c.	Rated Output Frequency..... :	50Hz / 60Hz
Rated output power	3125kW	Max. apparent power	3781kVA
Max output current.....	3308A a.c.	Power factor cosφ	[-0.8, 0.8]



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ANNEX

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to Certificate registration no. 44 780 20 406749 - 116R1M1

Model type	SG3000HV-30		
General information			
Type of inverter	Non-isolated	Separated by..... :	None / Transformer-less
IP grade.....	IP65 (IP 55 optional)	Dimension (W x H x D)	2280mm x 2280mm x 1600mm
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-35°C to 60°C (>50°C derating)	Altitude.....	4000m (>3000m derating)
Safety Class.....	Class I	Weight	3200kg
Firmware of control board.....	DSP_SG3000HV-30_V1_A	Firmware of LCD	LCD_SG3000HV-30_V1_A
PV input			
Vmax	1500V d.c.	Isc	10000A d.c.
Number of inputs	18 / 22 / 24 / 28	Number of MPPT tracking	2 (Optional 1)
MPP voltage range	875V d.c. - 1300V d.c.	MPP full power voltage range.....	875V d.c. - 1300V d.c.
Max input current	3500A d.c.	Back-feed current.....	0A
AC output			
Rated Output Voltage	600V a.c.	Rated Output Frequency	50Hz / 60Hz
Rated output power	3000kW	Max. apparent power	3000kVA
Max output current.....	2887A a.c.	Power factor cosφ	[-0.8, 0.8]



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ANNEX

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to Certificate registration no. 44 780 20 406749 - 116R1M1

Model type	SG2500HV-30		
General information			
Type of inverter	Non-isolated	Separated by	None / Transformer-less
IP grade.....	IP65 (IP 55 optional)	Dimension (W x H x D)	2280mm x 2280mm x 1600mm
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-35°C to 60°C (>50°C derating)	Altitude.....	4000m (>3000m derating)
Safety Class.....	Class I	Weight	3200kg
Firmware of control board.....	DSP_SG2500HV-30_V1_A	Firmware of LCD	LCD_SG2500HV-30_V1_A
PV input			
Vmax	1500V d.c.	Isc	10000A d.c.
Number of inputs	18 / 22 / 24 / 28	Number of MPPT tracking	2 (Optional 1)
MPP voltage range	800V d.c. - 1300V d.c.	MPP full power voltage range.....	800V d.c. - 1300V d.c.
Max input current	3508A d.c.	Back-feed current.....	0A
AC output			
Rated Output Voltage	550V a.c.	Rated Output Frequency	50Hz / 60Hz
Rated output power	2500kW	Max. apparent power	2750kVA
Max output current.....	2887A a.c.	Power factor cosφ	[-0.8, 0.8]



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ANNEX

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to Certificate registration no. 44 780 20 406749 - 116R1M1

Model type	SG2475HV		
General information			
Type of inverter	Non-isolated	Separated by	None / Transformer-less
IP grade	IP65 (IP 55 optional)	Dimension (W x H x D)	2280mm x 2280mm x 1600mm
Over-voltage Category	PV Input: II AC Output: III	Pollution degree	External: 3 Internal: 2
Operating temperature	-35°C to 60°C (>50°C derating)	Altitude.....	4000m (>3000m derating)
Safety Class.....	Class I	Weight	3200kg
Firmware of control board.....	DSP_SG2475HV-30_V1_A	Firmware of LCD	LCD_SG2475HV-30_V1_A
PV input			
Vmax	1500V d.c.	Isc.....	10000A d.c.
Number of inputs	18 / 22 / 24 / 28	Number of MPPT tracking	2 (Optional 1)
MPP voltage range	800V d.c. - 1300V d.c.	MPP full power voltage range.....	800V d.c. - 1300V d.c.
Max input current	3508A d.c.	Back-feed current.....	0A
AC output			
Rated Output Voltage	550V a.c.	Rated Output Frequency	50Hz / 60Hz
Rated output power	2475kW	Max. apparent power	2475kVA
Max output current.....	2887A a.c.	Power factor cosφ	[-0.8, 0.8]

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



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