

Certificate of Conformity

Registered No.:

COCPVP06022/21E-01

File reference
PVP06022/21E-01

Test report No.
TRPVP06022/21E/01

Date of issue
2021-07-05

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

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

Factory 2: **Sungrow Power Supply Co., Ltd.**
No. 608, Changning Avenue, New & High Technology Industrial, Development, Zone, 230088 Hefei City, Anhui Province, PEOPLE'S REPUBLIC OF CHINA

Factory 3: **Sungrow Developers (India) Private Limited**
No. 85, kanmike village, Kengeri hobli, Bangalore South Taluk, 560074 Bangalore, INDIA

Product: GRID-CONNECTED HYBRID INVERTER

Type designation: SH3.0RS, SH3.6RS, SH4.0RS, SH5.0RS, SH6.0RS
Single-phase, Firmware version: ARM_SUNSTONE-H_V11_V01_A;
MDSP_SUNSTONE-H_V11_V01_A

Type of equipment:

- Interface device
- Interface protection
- Static conversion device
- Rotary generation device

Remark: The device is for plants of each power.



Renewable Energy

ESS-T-012 COC



中国认可
国际互认
产品
PRODUCT
CNAS C183-P

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

Certification fundamental(s): BOS-P-01 Rev. 00

Standard(s): CEI 0-21:2019-04 "Reference technical rules for the connection of active and passive users to the LV electrical Utilities"
See test report for detailed information.

Certification body: **TÜV NORD (HANGZHOU) CO., LTD.**
Floor 5, No. 50, Jiujuan Road, Jianggan District
Hangzhou, 310019, P.R. China
Accredited by CNAS according to ISO/IEC 17065:2012, certificate no. CNAS C183-P.

Testing laboratory: **Dongguan BALUN Testing Technology Co., Ltd.**
Room 104/204/205, Building 1, No. 6, Industrial South Road, Songshan Lake District, Dongguan, Guangdong, China
Accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L14701

Conclusion: After verifying following documents, it is concluded that the product is in compliance with the requirements of CEI 0-21:2019-04.

ISO 9001 certificate:
Certificate no. CN15/21022.00, issued by SGS United Kingdom Ltd.

Test report of CEI 0-21:2019-04:
Report no. BL-DG2160398-B01, issued by Dongguan BALUN Technology Co., Ltd., accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L14701

Test report of EMC:
Report no. 64.722.21.80032.01, issued by TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch, accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L3584.
Report no. C21-267-WT-02, issued by Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co., Ltd., accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L0130

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).



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Description of product(s):

Model types:	SH3.0RS	SH3.6RS	SH4.0RS	SH5.0RS	SH6.0RS
General information					
Firmware:	ARM_SUNSTONE-H_V11_V01_A; MDSP_SUNSTONE-H_V11_V01_A				
PV input					
Vmax PV [V d.c.]:	600				
Mpp voltage range [V d.c.]:	40 - 560				
Isc PV [A d.c.]:	16/16	16/16	16/16	16/16	16/16
Max. input current [A d.c.]:	20/20	20/20	20/20	20/20	20/20
Overvoltage category (OVC):	II				
AC output (Grid Side) parameters					
Rated output voltage [V a.c.]:	220/230/ 240				
Rated output frequency [Hz]:	50/60				
Rated output power [W]:	3000	3680	4000	5000	6000
Max. apparent power [W]:	3000	3680	4000	5000	6000
Max. output current [A a.c.]:	13.7	16.0	18.2	22.8	27.3
Power factor cosφ [λ]:	0.8 leading ... 1 ... 0.8 lagging				
Overvoltage category (OVC):	III				
Battery parameters					
Battery Type:	Li-ion				
Voltage range[V d.c.]:	80 - 460				
Max. Charge Current [Ad.c.]:	30	30	30	30	30
Max. Discharge Current [Ad.c.]:	30	30	30	30	30



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AC output (Back-up) parameters:					
Rated output voltage [V a.c.]:	220/230/ 240				
Rated output frequency [Hz]:	50/60				
Rated output power [W]:	3000	3680	4000	5000	6000
Max. apparent power [W]:	3000	3680	4000	5000	6000
Max. output current [A a.c.]:	13.7	16.0	18.2	22.8	27.3
Power factor $\cos\phi$ [λ]:	0 leading ... 1 ... 0 lagging				

Remark: The inverters listed above may be installed with the following batteries:

Manufacturer:	Sungrow Power Supply Co., Ltd.			
Accumulator Model / Battery Model:	SBR096	SBR128	SBR160	SBR192
Capacity of each battery module (kWh)	3.2			
Number(s) of battery modules recommended by the manufacturer	3	4	5	6
Note: The batteries are not integrated into the inverter and must be installed according to the local regulations.				



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