

Certificate

of Conformity

Registered No.:

COCPVP06022/21E-01

File reference

Test report No.

Date of issue

PVP06022/21E-01

TRPVP06022/21E/01

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:

Rotary generation device

Remark: The device is for plants of each power.

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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

Renewable Energy



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, Jiuhuan 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.

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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中国认可 国际互认 产品 PRODUCT CNAS C183-P

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Description of product(s):

Model types:	SH3.0RS	SH3.6RS	SH4.0RS	SH5.0RS	SH6.0RS	
	Gen	eral information	on			
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) par	rameters			
Rated output voltage [V a.c.]:	220/230/ 240					
Raged 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 laging					
Overvoltage category (OVC):	III					
	Bat	tery parameter	's			
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	

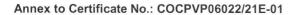
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AC output (Back-up) parameters:								
Rated output voltage [V a.c.]:	220/230/ 240							
Raged output frequency [Hz]:	50/60							
Rated output power [W]:	3000	3680	4000	5000	6000			
Max. apparent power [W]:	3000	3680	4000	5000	6000			
Max. output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

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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