

## VERIFICATION OF COMPLIANCE

Page: 1 of 3

No.: SHES210500977302PVC

Applicant: SUNGROW POWER SUPPLY CO., LTD.  
No.1699 Xiyou Rd., New & High Technology Industrial  
Development Zone Hefei, Anhui 230088, P. R. China

Product Description: Grid-Connected PV Inverter

Model No.: SG2.0RS-S; SG2.5RS-S; SG3.0RS-S; SG3.0RS; SG3.6RS;  
SG4.0RS; SG5.0RS; SG5.0RS-ADA; SG6.0RS; SG8.0RS;  
SG9.0RS; SG10RS

Rating: Refer to page 2 and 3

Protection against Electric Shock: Class I

Degree of Protection: IP65

Additional Information (if any): Single phase – Fixed installation

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: ENGINEERING RECOMMENDATION G99 ISSUE  
1-AMENDMENT 6, 09 March 2020, REQUIREMENTS FOR  
THE CONNECTION OF GENERATION EQUIPMENT IN  
PARALLEL WITH PUBLIC DISTRIBUTION NETWORKS ON  
OR AFTER 27 APRIL 2019

as shown in the  
Test Report Number(s): SHES210500977372

Van Hua  
Laboratory Technical Manager  
SGS-CSTC

2021-05-20

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Rev01/Effective Date :2020-12-11  
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SGSPAPER  
20437864





## VERIFICATION OF LVD COMPLIANCE

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Attachment to Verification No. : SHES210500977302PVC

Rating:

Model	SG2.0RS-S	SG2.5RS-S	SG3.0RS-S	SG3.0RS	SG3.6RS	SG4.0RS
DC Input						
Max. DC voltage	600 V					
Start-up operating voltage	40 V					
MPPT voltage range	40~560V					
Max. input MPPT current	16A			16/16 A		
Max. input short circuit current	20 A			20/20 A		
AC Output						
Rated AC Output power (kW)	2000W	2500W	3000W	3000W	3680W	4000 W
Max. AC Output power (kVA)	2000VA	2500VA	3000VA	3000VA	3680VA	4000 VA
Max. output current	9.1A	11.4A	13.7A	13.7A	16A	18.2 A
Nominal grid voltage	230 V					
Nominal output frequency	50Hz					
Output power factor	> 0.99 (adjustable+/-0.8)					
Operating temperature range	-25 °C ~60 °C					
Ingress protection	IP65					
Protective class	Class I					

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## VERIFICATION OF LVD COMPLIANCE

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Attachment to Verification No. : SHES210500977302PVC

Model	SG5.0RS	SG6.0RS	SG5.0RS-ADA	SG8.0RS	SG9.0RS	SG10RS
DC Input						
Max. DC voltage	600 V					
Start-up operating voltage	40 V					
MPPT voltage range	40~560V					
Max. input MPPT current	16/16 A			16/16/16 A		
Max. input short circuit current	20/20 A			20/20/20 A		
AC Output						
Rated AC Output power (kW)	5000 W	6000 W	5000 W	8000 W	9000 W	10000 W
Max. AC Output power (kVA)	5000 VA	6000 VA	5000 VA	8000 VA	9000 VA	10000 VA
Max. output current	22.8 A	27.3 A	22.8 A	36.4 A	41 A	45.5 A
Nominal grid voltage	230 V					
Nominal output frequency	50Hz					
Output power factor	> 0.99 (adjustable+/-0.8)					
Operating temperature range	-25 °C ~60 °C					
Ingress protection	IP65					
Protective class	Class I					

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