

TEST REPORT

Applicant : Shenzhen SOFAR SOLAR Co., Ltd.
Address : 401, Building 4, AnTongDa Industrial Park, District 68, XingDong Community, XinAn Street, BaoAn District, Shenzhen, China

Report No : 191012016GZU-001 **Issue Date** : 01 Nov., 2019

Sample Description

Name of Sample : Solar Grid Tied Inverter
Model Number : SOFAR 20000TL-G2, SOFAR 25000TL-G2, SOFAR 30000TL-G2, SOFAR 33000TL-G2
Quantity of Sample(s) : 1
Date of Receival : 12 Oct., 2019
Date of test Conducted : 29 Oct., 2019

Test

Test Requested : IP65
Test Method : Refer to IEC/EN 62109-1:2010 clause 6.3
Test Observation: : See appendix test condition for details
Test Conclusion: : **Pass**
Other information : --
Remark :

- This test report is only for evaluation of the specified standard clauses listed in Test Requested.
- When determine the test result, measurement uncertainty has been considered.

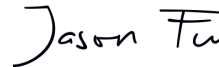
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Tested by:



Tommy Zhong
Technical Manager

Approved by:



Jason Fu
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Rating:

Model	SOFAR 20000TL-G2	SOFAR 25000TL-G2	SOFAR 30000TL-G2	SOFAR 33000TL-G2
Max. DC input Voltage	1100Vdc			
Operating MPPT voltage range	230Vdc – 960Vdc			
Max. Input current	24A/24A	28A/28A	30A/30A	30A/30A
PV Isc	30A*2	35A*2	37.5A*2	37.5A*2
Nominal AC output voltage	3/N/PE 230Vac/400Vac			
Nominal AC output Frequency	50Hz			
Nominal AC output Power	20000W	25000W	30000W	33000W
Max.Output Power	22000VA	27500VA	33000VA	36300VA
Power factor	0.8 Leading – 0.8 Lagging			
Safety level	Class I			
Ingress Protection	IP 65			
Operation Ambient Temperature	-25°C - 60°C			
Software version	V1.40			

All the models have the same enclosure.

Other than special notes, typical model SOFAR 25000TL-G2 was used as representative for testing in this report.

Appendix test condition:

Number	Test items	Test condition	Test result
<u>1</u>	IP6X	The enclosure under test is supported inside the test chamber and the pressure inside the enclosure is maintained below the surrounding atmospheric pressure by a vacuum pump, The suction connection shall be made to a hole specially provided for the test.	No deposit of dust is observable inside the enclosure.
<u>2</u>	IPX5	Internal diameter of the nozzle: 6.3 mm Delivery rate: 12.5 L/min Core of the substantial stream: circle of approximately 40 mm diameter at 2.5 m distance from nozzle Test duration: 3 min Distance from nozzle to enclosure surface: between 2.5 m and 3 m.	No water inside the enclosure

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Appendix Photos:

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Overview



Bottom view

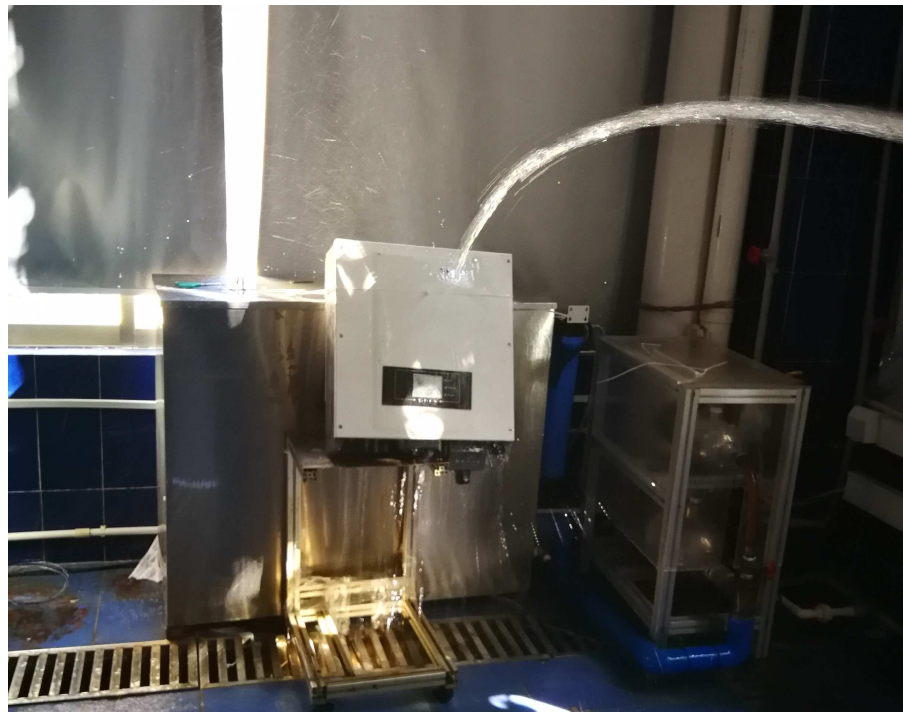
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Appendix Photos:

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Test setup of IP6X



Test setup of IPX5

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Appendix Photos:

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Checked after test finish

*****End of report*****