

# 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** : 190724109GZU-001 **Issue Date** : 26 Jul., 2019

## Sample Description

**Name of Sample** : Solar Grid-tied Inverter  
**Model Number** : SOFAR 1100TL-G3, SOFAR 1600TL-G3, SOFAR 2200TL-G3, SOFAR 2700TL-G3, SOFAR 3000TL-G3, SOFAR 3300TL-G3  
**Quantity of Sample(s)** : 1  
**Date of Receival** : 10 Jun 2019  
**Date of test Conducted** : 10 Jun 2019

## Test

**Test Requested** : IP65  
**Test Method** : Refer to IEC60529:2013 Ed.2.2  
**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.

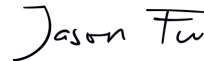
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Tested by:



Sunny Lin  
Engineer

Approved by:



Jason Fu  
Technical Team Leader

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**This report is based on and superseded original report No. 190411074GZU-001, dated 05 Jul 2019 to have follows addition.**

**1, Added model SOFAR 3000TL-G3, this model is identical with original models, only power derating for business purpose.**

Rating:

Model	SOFAR 1100TL-G3	SOFAR 1600TL-G3	SOFAR 2200TL-G3	SOFAR 2700TL-G3	SOFAR 3000TL-G3	SOFAR 3300TL-G3
Max.PV voltage	500V			550V		
PV MPPT voltage range	50-500V			50-550V		
Max.input current	12A					
PV Isc	15A					
Max.apparent power	1100VA	1600VA	2200VA	2700VA	3000VA	3300VA
Nominal output voltage	230Vac					
Max.output current	5.3A	7.7A	10.6A	13.0A	14.5A	16.0A
Nominal output Frequency	50/60Hz					
Power factor range	0.8 Leading – 0.8 Lagging					
Inverter technology	Non-isolated					
Safety level	Class I					
Ingress Protection	IP 65					
Operation Ambient Temperature	-30 - +60°C					

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File No.: General-ACCE-001, date: May 2016

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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Test setup of IP6X



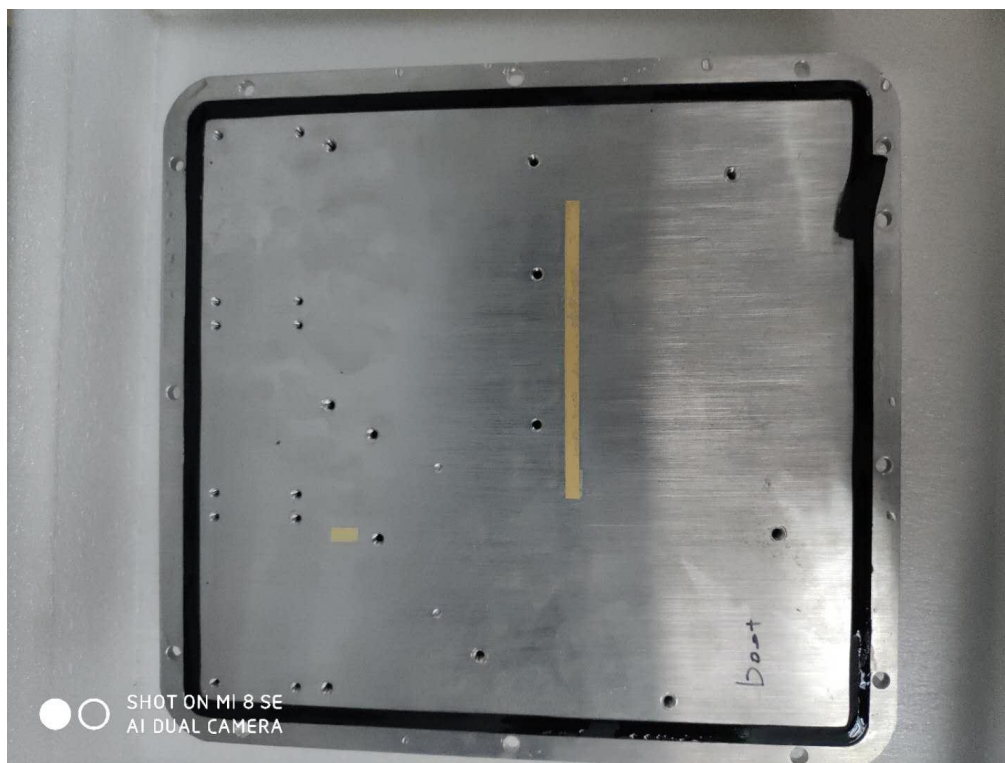
Test setup of IPX5

Appendix Photos:

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Checked after test finish



Checked after test finish

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