

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 : 190325006GZU-004 **Issue Date** : 10 Apr 2019

Sample Description

Name of Sample : Solar Grid-tied Inverter
Model Number : SOFAR 7.5KTLM
Quantity of Sample(s) : 1
Date of Receival : 02 Apr., 2019
Date of test Conducted : 02 Apr., 2019

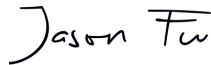
Test

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:



Jason Fu
Senior Project Engineer

Approved by:



Tommy Zhong
Assistant Technical Manager

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Rating:

PV input:

Max. DC Input Voltage: 600Vdc

Operating MPPT Voltage Range: 90Vdc – 580Vdc

Max,input current: 3×11A

Max. PV Isc: 3 ×13.2A

AC output:

Nominal Grid voltage: 230Vac

Max. output current: 32.6A

Nominal Grid Frequency: 50Hz

Nominal output power: 7500W

Max.output power:7500VA

Power Factor: 1 (adjustable +/-0.8)

Ingress Protection: IP 65

Protective Class: I

Operating temperature range: -30 — +60°C

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

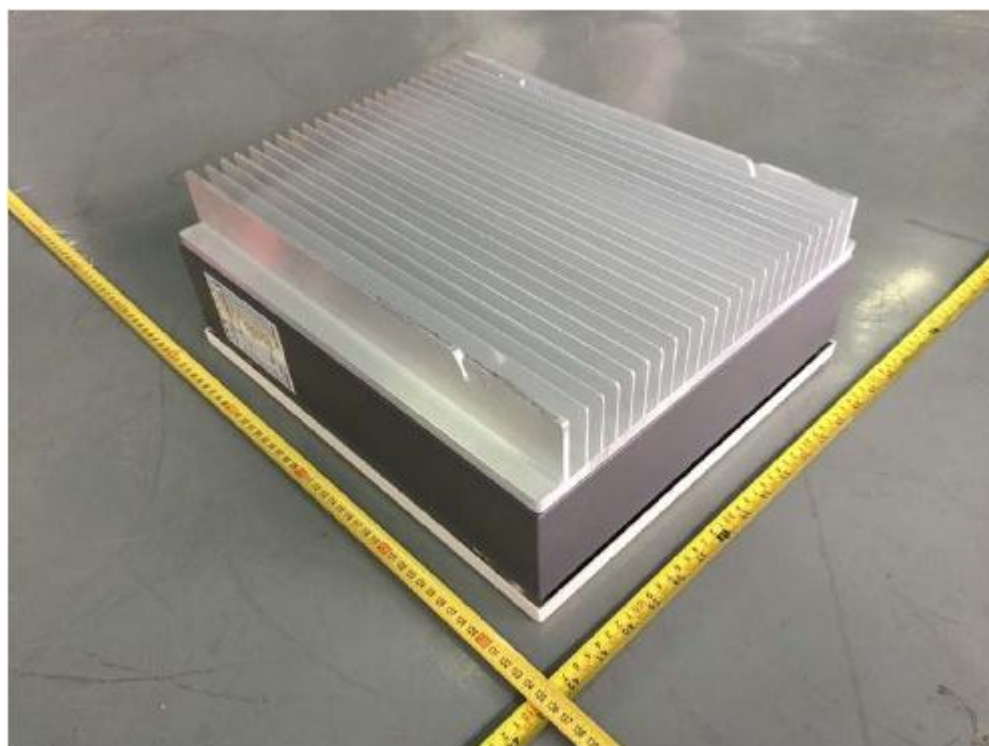
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Appendix Photos:

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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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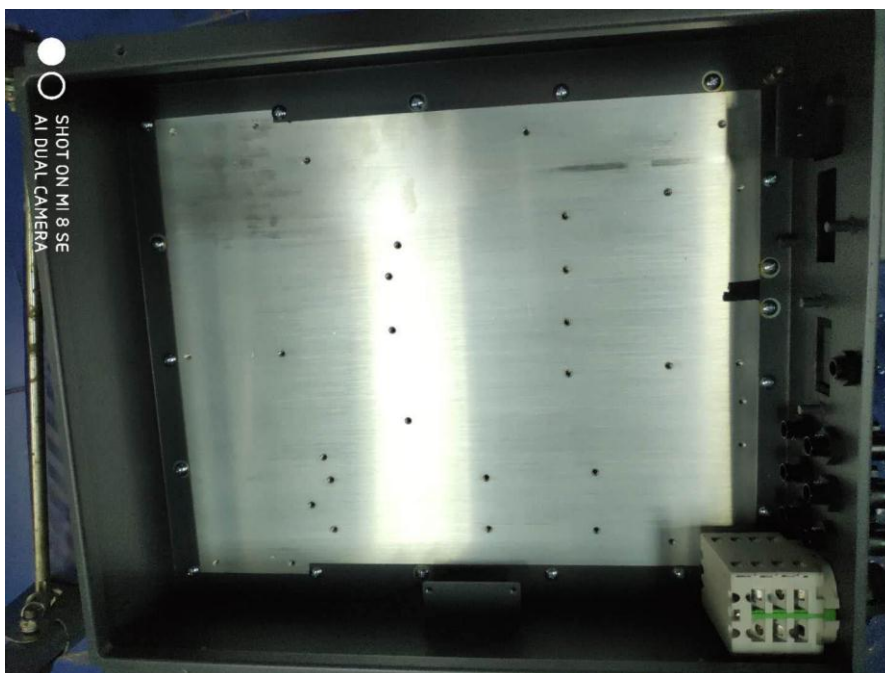
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Appendix Photos:

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Checked after test finish

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