

TEST REPORT

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

Report No : 201015063GZU-003 **Issue Date** : 23 Nov 2020

Sample Description

Name of Sample : Hybrid inverter
Model Number : HYD 6000-EP, HYD 5500-EP, HYD 5000-EP, HYD 4600-EP, HYD 4000-EP, HYD 3680-EP, HYD 3000-EP
Quantity of Sample(s) : 1
Date of Receival : 28 Oct 2020
Date of test Conducted : 28 Oct 2020

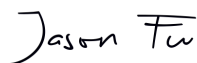
Test

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
Supervisor

Approved by:



Tommy Zhong
Technical Manager

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Model differences:

The models HYD 6000-EP, HYD 5500-EP, HYD 5000-EP, HYD 4600-EP, HYD 4000-EP, HYD 3680-EP, HYD 3000-EP are identical and only the output power derating in software. except for the following table.

Model	HYD 6000-EP	HYD 5500-EP	HYD 5000-EP	HYD 4600-EP	HYD 4000-EP	HYD 3680-EP	HYD 3000-EP
R332, R334, R336	0Ω, NC, 0Ω				NC, 0Ω, NC		
Bus capacitance	8pcs				6pcs		
INV inductor	0.75mH				1.035mH		
R123, R132	1.5KΩ, 1.5KΩ				499Ω, 499Ω		

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China
 Tel: 86 20 8213 9688 Fax: 86 20 3205 7538 www.china.intertek-etlsemko.com

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

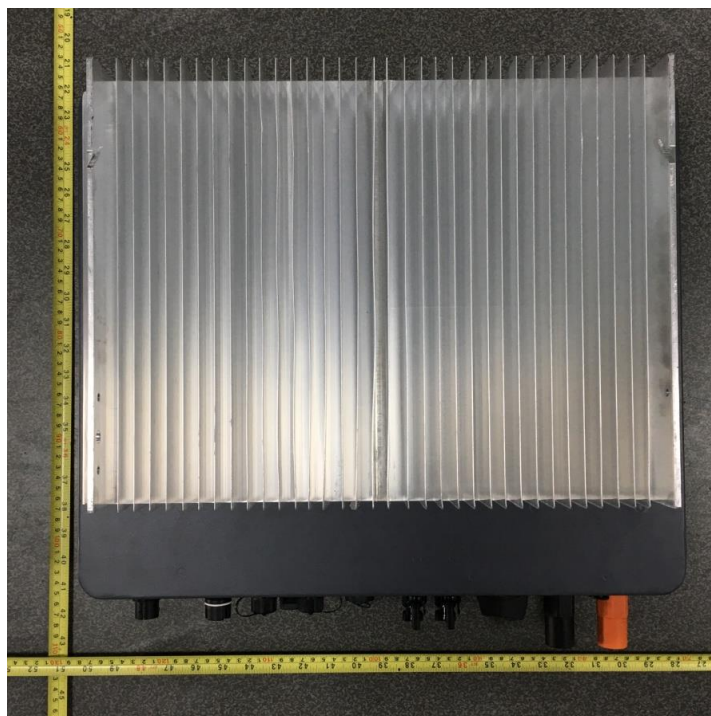
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Appendix Photos:

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Overview



Bottom view

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Appendix Photos:

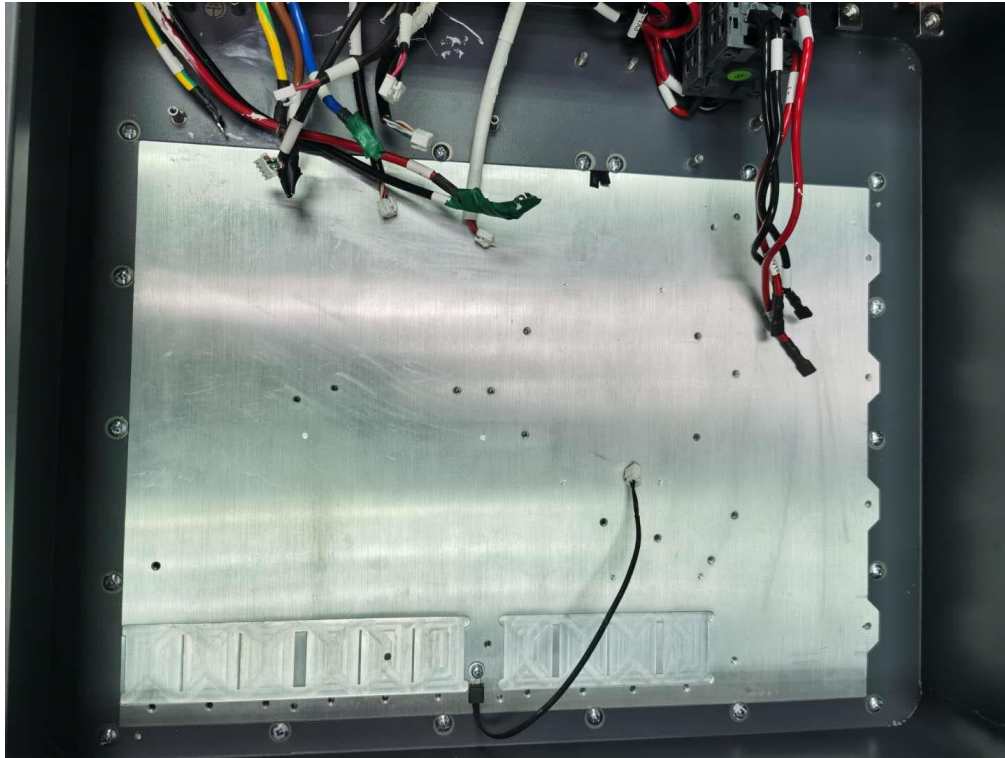
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Test setup of IP6X



Test setup of IPX5



Checked after test finish

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