


Test Verification of Conformity

Verification Number: 201015064GZU-VOC001

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant  mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Shenzhen SOFARSOLAR Co., Ltd. 401, Building 4, AnTongDa Industrial Park, District 68, XingDong Community, XinAn Street, BaoAn District, Shenzhen, China
Product Description:	Hybrid inverter
Models/Type References:	HYD 6000-EP, HYD 5500-EP, HYD 5000-EP, HYD 4600-EP, HYD 4000-EP, HYD 3680-EP, HYD 3000-EP
Ratings & Principle Characteristics:	See Appendix
Brand Name:	
Relevant Standards/Directives:	EN 61000-6-1:2007 EN 61000-6-3:2007+A1:2011 EN 61000-6-2:2005 EN 61000-6-4:2007+A1:2011 EN 61000-3-2 :2014 EN 61000-3-3: 2013 EN 61000-3-11:2000 EN 61000-3-12 :2011 EMC Directive 2014/30/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No. 7-2. Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China
Date of Tests:	16 October 2020-27 January 2021
Test Report Number(s):	201015064GZU-001,002

Additional information in Appendix.

Signature



Name: Strong Yao

Position: Manager

Date: 05 February 2021

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 201015064GZU-VOC001

Ratings & Principle Characteristics:

Model	HYD 3000-EP	HYD 3680-EP	HYD 4000-EP	HYD 4600-EP	HYD 5000-EP	HYD 5500-EP	HYD 6000-EP
Max. PV Input Voltage [d.c.V]	600						
MPPT operating voltage range [d.c.V]	90-580						
Number of MPP trackers	2						
Max. input current per MPPT [d.c.A]	13/13						
Max. PV Isc [d.c.A]	2 X 18						
Battery Type	Lead-acid, Lithium-ion						
Battery Voltage Range [d.c.V]	42-58						
Max. Charging Current [d.c.A]	75	80	85	100	100	100	100
Max. Discharging Current [d.c.A]	75	80	85	100	100	100	100
Max. Charging & Discharging Power [W]	3750	4000	4250	5000	5000	5000	5000
Nominal Grid voltage [a.c.V]	230						
Nominal Output Voltage (backup) [a.c.V]	230						
Max. output current [a.c.A]	15	16	20	20.9	21.7	25	27.3
Max AC current from utility grid [a.c.A]	27.3	32	36.4	41.8	43.4	43.4	54.6
Nominal Grid Frequency	50/60Hz						
Power Factor	1 (adjustable +/-0.8)						
Nominal AC power [W]	3000	3680	4000	4600	5000	5000	6000
Backup Max. current [a.c.A]	13.6	16.0	18.2	20.9	22.7	22.7	22.7
Backup Max. Apparent Power [VA]	3000	3680	4000	4600	5000	5000	5000
Ingress Protection	IP 65						
Protective Class	Class I						
Operating temperature range	-30 ~ +60°C						



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