


Test Verification of Conformity

Verification Number: 210716151GZU-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 regulation(s) listed on this verification at the time the tests were carried out. Other standards and Regulations 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 regulations 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:	Guangzhou Sanjing Electric Co., Ltd. No.9, Lizhishan Road, Science City, Guangzhou High-tech Zone, Guangdong, P.R.China
Product Description:	Hybrid Solar Inverter
Ratings & Principle Characteristics:	See Appendix to Certificate of Conformity
Models/Type References:	H1-3K-S2, H1-3.6K-S2, H1-4K-S2, H1-4.6K-LS2, H1-4.6K-S2, H1-5K-LS2, H1-5K-S2, H1-6K-LS2, H1-6K-S2
Brand Name:	
Relevant Standards/Regulations:	IEC 62109-1 Safety of Power Converter for use in Photovoltaic Power Systems Part 1: General requirements
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:	15 Apr 2020-15 Jul 2021
Test Report Number(s):	60404587 001

Additional information in Appendix.



Signature

Name: Tommy Zhong

Position: Technical Manager

Date: 26 July 2021

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 210716151GZU-VOC001

Ratings & Principle Characteristics:

Model	H1-3K-S2	H1-3.6K-S2	H1-4K-S2	H1-4.6K-S2 H1-4.6K-LS2	H1-5K-S2 H1-5K-LS2	H1-6K-S2 H1-6K-LS2
Max.PV voltage [V]	600V					
PV voltage range [V]	90-550					
PV Isc [A]	15 /15					
Max.input current [A]	12.5 / 12.5					
Battery parameters						
Rated DC voltage [V]	48					
DC voltage range [V]	42 – 58.5					
Max. Charging / discharging current [A]	60/60			60/60 (H1-4.6K-LS2) 100/100 (H1-4.6K-S2)	60/60 (H1-5K-LS2, H1-6K-LS2) 100/100 (H1-5K-S2, H1-6K-S2)	
Grid parameters						
Rated Output Power [W]	3000	3680	4000	4600	5000	6000
Max.Output Power [VA]	3000	3680	4000	4600	5000	6000
Rated Output Current [A]	13.1	16.0	17.4	20.0	21.8	26.1
Max Output Current [A]	14.4	16.0	19.2	20.9	24.0	26.1
Nominal Frequency	50Hz					
Power factor range	0.8Leading – 0.8 lagging					
AC Output [Back-up Mode]						
Rated Output Power [W]	3000			3000(H1-4.6K-LS2) 4600(H1-4.6K-S2)	3000 (H1-5K-LS2, H1-6K-LS2) 5000(H1-5K-S2, H1-6K-S2)	
Output Voltage [V]	230					
Output Frequency [Hz]	50/60					
Safety level	Class I					
Ingress Protection	IP 65					
Operation Ambient Temperature	-25 °C - +60 °C					



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