Test Verification of Conformity

Verification Number: 220725017GZU-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>. This verification replaces previous verification dated: 07-06-2022: 220321031GZU-VOC001

Once compliance with all product relevant CE 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. 11/F., Gaoxinqi Technology Building, No.67 Area, Xingdong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, China
Product Description:	Inverter Module
Ratings & Principle Characteristics:	See Appendix to Certificate of Conformity
Models/Type References:	ESI 3K-S1, ESI 3.68K-S1, ESI 4K-S1, ESI 4.6K-S1, ESI 5K-S1, ESI 5K-S1-A, ESI 6K-S1
Brand Name:	SOFAR SOLAR
Relevant Standards/Directives:	IEC/EN 62109-1:2010 (First Edition) Safety of Power Converter for use in Photovoltaic Power Systems Part 1: General requirements IEC/EN 62109-2:2011 Safety of Power Converter for use in Photovoltaic Power Systems Part 2: Particular requirements for inverters Low Voltage Directive 2014/35/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:	2022-07-25 to 2022-07-29
Test Report Number(s):	220725017GZU-001, 220725017GZU-002

Additional information in Appendix.

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 2 September 2022

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220725017GZU-VOC001

Ratings & Principle Characteristics:

MODEL	ESI 3K-S1	ESI 3.68K-S1	ESI 4K-S1	ESI 4.6K-S1
Max.DC input voltage	550Vdc			
MPPT voltage range	85~520Vdc			
Max.PV Isc	2*22.5A			
Rated battery voltage	400V			
Max.charging/discharging current	20A			
Max.charging/discharging power	3000W	3680W	4000W	4600W
Rated grid voltage	230V,50Hz			
Rated output voltage	230V,50/60Hz			
Max.output current	15A	16A	20A	20.9A
Power Factor	1 default (adjustable+/-0.8)			
Rated output power	3000W	3680W	4000W	4600W
Backup Rated Current	13A	16A	17.4A	20A
Backup Rated Apparent Power	3000VA	3680VA	4000VA	4600VA
Ambient Temperature	-10~ +50℃			
Protection Degree	IP65			
Protection Class	Class I			
Inverter topology	Non-Isolated			
Overvoltage Category	AC III, DC II			
Firmware version:	V000001			

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 2 September 2022

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220725017GZU-VOC001

Ratings & Principle Characteristics:

MODEL	ESI 5K-S1	ESI 5K-S1-A	ESI 6K-S1
Max.DC input voltage	550Vdc		
MPPT voltage range	85~520Vdc		
Max.PV Isc	2*22.5A		
Rated battery voltage	400V		
Max.charging/discharging current	20A		
Max.charging/discharging power	5000W	5000W	6000W
Rated grid voltage	230V,50Hz		
Rated output voltage	230V,50/60Hz		
Max.output current	25A	22.7A	30A
Power Factor	1 default (adjustable+/-0.8)		
Rated output power	5000W	5000W	6000W
Backup Rated Current	21.7A	22.7A	26A
Backup Rated Apparent Power	5000VA	5000VA	6000VA
Ambient Temperature	-10~ +50℃		
Protection Degree	IP65		
Protection Class	Class I		
Inverter topology	Non-Isolated		
Overvoltage Category	AC III, DC II		
Firmware version:	V000001		

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 2 September 2022