Test Verification of Conformity

Verification Number: 220531145GZU-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 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:	Hybrid inverter
Ratings & Principle Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	HYD 5KTL-3PH, HYD 6KTL-3PH, HYD 8KTL-3PH, HYD 10KTL-3PH, HYD 10KTL-3PH - A, HYD 15KTL-3PH, HYD 20KTL-3PH
Brand Name:	SOFAR SOLAR
Relevant Standards/Directives:	IEC/EN 62109-1: 2010 Safety of power converters for use in photovoltaic power systems – Part 1: General requirements IEC/EN 62109-2: 2011 Safety of power converters 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:	13 Sep 2022 to 12 Oct 2022
Test Report Number(s):	220531145GZU-001, 220531145GZU-002

Additional information in Appendix.

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 13 Oct 2022

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220531145GZU-VOC001.

Model	HYD 5KTL-3PH	HYD 6KTL-3PH	HYD 8KTL-3PH
PV Input data			
Max. PV Input Voltage	1000Vdc		
Max. PV current	2*12.5 A		
Max. PV Isc	2*15.0 A		
AC output/Input data			
Rated output power [VA]	5000	6000	8000
Max. Input power for charging battery /Output apparent power[VA]	5500	6600	8800
Nominal voltage	230 Vac		
Max. input/Rated output current [a.c.A]	15.0/7.2	17.0/8.7	24.0/13.0
Nominal Frequency	50/60 Hz		
Power Factor range	0.8 Leading ~ 0.8 Lagging		
EPS output data			
Rated output apparent power	5500VA	6600VA	8800VA
Nominal AC output voltage	230 Vac		
Nominal AC Frequency	50Hz		
Max. output current	8.0A	10.0A	13.0A
Battery data			
Battery voltage range	180 – 800 Vdc		
Max continuous charging current	25A		
Max continuous discharging current	25A		
Type of battery	Lithium-ion		
Ingress Protection	IP65		
Protective Class	Class I		
Operating temperature range	-30℃ - +60℃		
FW Version	V2.00		

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 13 Oct 2022

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220531145GZU-VOC001.

Model	HYD 10KTL-3PH HYD 10KTL-3PH-A	HYD 15KTL-3PH	HYD 20KTL-3PH
PV Input data			
Max. PV Input Voltage	1000Vdc		
Max. PV current	2*25.0 A		
Max. PV Isc	2*30.0 A		
AC output/Input data			
Rated output power [VA]	10000	15000	20000
Max. Input power for charging battery /Output apparent power[VA]	11000 for model HYD 10KTL-3PH 10000 for model HYD 10KTL-3PH-A	16500	22000
Nominal voltage	230Vac		
Max. input/Rated output current [a.c.A]	29.0/14.5	44.0/21.7	58.0/29.0
Nominal Frequency	50/60 Hz		
Power Factor range	0.8 Leading ~ 0.8 Lagging		
EPS output data			
Rated. output apparent power	11000 for model HYD 10KTL-3PH 10000 for model HYD 10KTL-3PH-A	16500VA	22000VA
Nominal AC output voltage	230 Vac		
Nominal AC Frequency	50Hz		
Max. output current	16.0A	24.0A	32.0A
Battery data			
Battery voltage range	180 – 800 Vdc		
Max continuous charging current	25A		
Max continuous discharging current	25A		
Type of battery	Lithium-ion		
Ingress Protection	IP65		
Protective Class	Class I		
Operating temperature range	-30℃ - +60℃		
FW Version	V2.00		

Jason Fu

Signature
Name: Jason Fu
Position: Supervisor
Date: 13 Oct 2022