Test Verification of Conformity

Verification Number: 230829183GZU-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:	Sunwoda Energy Technology Co Ltd. Room 201, Building C, Sunwoda electronic Factory, Tangjia Community, Fenghuang Street, Guangming District, Shenzhen City, Guangdong Province
Product Description:	Hybrid Inverter
Ratings & Principle Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	SW5KH3DT, SW6KH3DT, SW8KH3DT, SW10KH3DT, SW12KH3DT, SW15KH3DT
Brand Name:	SUNWODA ENERGY
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 EN 62477-1:2012 + A12:2021, Safety requirements for power electronic converter systems and equipment Part 1: General Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch. Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China
Date of Tests:	06 Nov., 2023 to 19 Jan., 2024
Test Report Number(s):	230829183GZU-001, 230829183GZU-002, 230829183GZU-003

Additional information in Appendix.

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 13 March 2024

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 230829183GZU-VOC001.

Ratings & Principle Characteristics:

Model	SW5KH 3DT	SW6KH 3DT	SW8KH 3DT	SW10KH3 DT	SW12KH3 DT	SW15KH 3DT
PV input parameter						
Max. DC input voltage (V)	1000Vd.c					
MPPT voltage range(V)	180~850					
Starting voltage (V)	180V					
Max. input current per MPPT (A)	A：15		A：15 / B：30			
Max. short-circuit current per MPPT (A)	A：19		A：19 / B：38			
Battery input parameter						
Battery capacity(kWh)	5~40					
Rated Voltage (V)	400					
voltage range (V)	350~450					
Max. continuous charging current (A)	23			46		
Max. continuous discharge current (A)	23			46		
Max. discharge power (W)	5000	6000	8000	10000	12000	15000
Max. charge power (W)	5000	6000	8000	10000	12000	15000

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 13 March 2024

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 230829183GZU-VOC001.

Ratings & Principle Characteristics:

Model	SW5KH 3DT	SW6KH 3DT	SW8KH 3DT	SW10KH3 DT	SW12KH3 DT	SW15KH 3DT
Grid-tied parameters						
Rated grid-tied output power (W)	5000	6000	8000	10000	12000	15000
Rated output voltage (V)	230/400 3W/N/PE					
Output voltage frequency (Hz)	50					
Max. grid-tied output current (A)	8.4	10	13.4	16.7	20	25
Max. input current (A)	12.2	13.7	18.2	22.8	27.4	34.2
Power factor	0.8 leading to 0.8 lagging					
Grid-off parameters						
Grid-off rated apparent power (VA)	5000	6000	8000	10000	12000	15000
Max. output current (A)	7.6	10	13.4	16.7	20	25
Rated output voltage (V)	230/400 3W/N/PE					
Rated output voltage frequency (Hz)	50					
PCS general parameters						
Ambient temperature (℃)	-30 ~ +60 （> 45°C derating）					
Enclosure Type	IP65					
Software Version	V1.0					

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 13 March 2024