



# Test Verification of Conformity

Verification Number: 2312A0634SHA-V1

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:	SUNWAY SOLAR CO., LTD. Building 7, Cross-border E-commerce Supervision Zone, Huguang Road, Shushan District, Hefei City, Anhui Province, China
Product Description: Ratings & Principle Characteristics:	PV Grid interactive inverter See Appendix
Models/Type References:	SW3KTL-EU, SW3.6KTL-EU, SW3.6KTL-EU3, SW4KTL-EU, SW5KTL-EU, SW6KTL-EU, SW7KTL-EU, SW8KTL-EU, SW9KTL-EU, SW10KTL-EU
Brand Name:	
Relevant Standards/Directives:	IEC/EN 62109-1:2010 IEC/EN 62109-2:2011 the Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests:	2023-07-03 to 2023-08-01
Test Report Number(s):	2312A0634SHA-001/002

  
**Signature**

**Name: Max Jin**

**Position: General Manager**

**Date: 2024-01-10**

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 2312A0634SHA-V1

Ratings:

Specifications table					
Model	SW3KTL-EU	SW3.6KTL-EU	SW3.6KTL-EU3	SW4KTL-EU	SW5KTL-EU
<b>Input:</b>					
Vmax PV (Vdc)	600	600	600	600	600
Isc PV (absolute Max.) (A)	18 x 2	18	18 x 2	18 x 2	18 x 2
Number MPP trackers	2	1	2	2	2
Number input strings	1/1	1	1/1	1/1	1/1
Max. PV input current(A)	14 x 2	14	14 x 2	14 x 2	14 x 2
MPPT voltage range (Vdc)	70-550	70-550	70-550	70-550	70-550
Vdc range @ full power (Vdc)	110-550	265-550	130-550	145-550	180-550
<b>Output</b>					
Normal Voltage(V)	L/N/PE, 230Vac				
Frequency (Hz)	50				
Current (normal) (A)	13.1	15.7	15.7	17.4	21.8
Current (Max. continuous) (A)	15	17.5	17.5	20	24
Power rating (W)	3000	3600	3600	4000	5000
Power Rating (VA)	3000	3600	3600	4000	5000
Power factor /rated	1 (-0,8~+0,8 adjustable)	1 (-0,8~+0,8 adjustable)	1 (-0,8~+0,8 adjustable)	1 (-0,8~+0,8 adjustable)	1 (-0,8~+0,8 adjustable)
<b>others</b>					
Protective class	Class I				
Ingress protection (IP)	IP 65				
Temperature (°C)	-25°C to +60°C (up 45°C derating)				
Inverter Isolation	Non-isolated				
Overtoltage category	OVC III (AC Main), OVC II (PV)				
Software version	DSP:V06 CPLD:V06 HMI:V06				

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Specifications table					
Model	SW6KTL-EU	SW7KTL-EU	SW8KTL-EU	SW9KTL-EU	SW10KTL-EU
<b>Input:</b>					
Vmax PV (Vdc)	600	600	600	600	600
Isc PV (absolute Max.) (A)	18 x 2	18+35	18+35	35 x 2	35 x 2
Number MPP trackers	2	2	2	2	2
Number input strings	1/1	1/2	1/2	2/2	2/2
Max. PV input current(A)	14 x 2	14+26	14+26	26 x 2	26 x 2
MPPT voltage range (Vdc)	70-550	70-550	70-550	70-550	70-550
Vdc range @ full power (Vdc)	220-550	220-550	220-550	220-550	220-550
<b>Output</b>					
Normal Voltage(V)	L/N/PE, 230Vac				
Frequency (Hz)	50				
Current (normal) (A)	26.1	30.5	34.8	39.2	43.5
Current (Max. continuous) (A)	28.7	33.6	38.3	45	50
Power rating (W)	6000	7000	8000	9000	10000
Power Rating (VA)	6000	7000	8000	9000	10000
Power factor /rated	1 (-0,8~+0,8 adjustable)	1 (-0,8~+0,8 adjustable)	1 (-0,8~+0,8 adjustable)	1 (-0,8~+0,8 adjustable)	1 (-0,8~+0,8 adjustable)
<b>others</b>					
Protective class	Class I				
Ingress protection (IP)	IP 65				
Temperature (°C)	-25°C to +60°C (up 45°C derating)				
Inverter Isolation	Non-isolated				
Overvoltage category	OVC III (AC Main), OVC II (PV)				
Software version	DSP: V06 CPLD: V06 HMI: V06				

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