



Test Verification of Conformity

Verification Number: 2312A0641SHA-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:	PV Grid interactive inverter
Ratings & Principle Characteristics:	See Annex for details
Models/Type References:	See Annex for details
Brand Name:	
Relevant Standards/Directives:	EN IEC 61000-6-1:2019; EN IEC 61000-6-3:2021; EN IEC 61000-3-2:2019+A1:2021; EN 61000-3-3:2013+A1:2019+A2:2021 the EMC Directive 2014/30/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Test Report Number(s):	2312A0641SHA-001


Signature

Name: Max Jin

Position: General Manager

Date: 2024-01-15

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 2312A0641SHA-V1.

Ratings:

Specifications table				
Model	SW3KTL3-EU	SW4KTL3-EU	SW5KTL3-EU	SW6KTL3-EU
Input:				
Vmax PV (Vdc)	1100	1100	1100	1100
Isc PV (absolute Max.) (A)	25 x 2	25 x 2	25 x 2	25 x 2
Number MPP trackers	2	2	2	2
Number input strings	1/1	1/1	1/1	1/1
Max. PV input current(A)	15 x 2	15 x 2	15 x 2	15 x 2
MPPT voltage range (Vdc)	150-1000	150-1000	150-1000	150-1000
Vdc range @ full power (Vdc)	200-850	200-850	200-850	250-850
Output				
Normal Voltage(V)	3P+N+PE/3P+PE 230/400			
Frequency (Hz)	50			
Current (normal) (A)	4.4	5.8	7.3	8.7
Current (Max. continuous) (A)	5.3	7	8.5	10.5
Power rating (W)	3000	4000	5000	6000
Power Rating (VA)	3000	4000	5000	6000
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)
others				
Protective class	Class I			
Ingress protection (IP)	IP 65			
Temperature (°C)	-25°C to +60°C (Derating 45°C)			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			

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Specifications table				
Model	SW8KTL3-EU	SW10KTL3-EU	SW12KTL3-EU	SW13KTL3-EU
Input:				
Vmax PV (Vdc)	1100	1100	1100	1100
Isc PV (absolute Max.) (A)	25 x 2	25 x 2	25 x 2	25 x 2
Number MPP trackers	2	2	2	2
Number input strings	1/1	1/1	1/1	1/1
Max. PV input current(A)	15 x 2	15 x 2	15 x 2	15 x 2
MPPT voltage range (Vdc)	150-1000	150-1000	150-1000	150-1000
Vdc range @ full power (Vdc)	300-850	500-850	500-850	500-850
Output				
Normal Voltage(V)	3P+N+PE/3P+PE 230/400			
Frequency (Hz)	50			
Current (normal) (A)	11.6	14.5	17.4	18.9
Current (Max. continuous) (A)	13.5	17	21.5	22
Power rating (W)	8000	10000	12000	13000
Power Rating (VA)	8000	10000	12000	13000
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)
others				
Protective class	Class I			
Ingress protection (IP)	IP 65			
Temperature (°C)	-25°C to +60°C (Derating 45°C)			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			

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Specifications table				
Model	SW15KTL3-EU	SW17KTL3-EU	SW20KTL3-EU	SW25KTL3-EU
Input:				
Vmax PV (Vdc)	1100	1100	1100	1100
Isc PV (absolute Max.) (A)	30 + 48	48 x 2	48 x 2	48 x 2
Number MPP trackers	2	2	2	2
Number input strings	1/2	2/2	2/2	2/2
Max. PV input current(A)	20 + 32	32 x 2	32 x 2	32 x 2
MPPT voltage range (Vdc)	150-1000	150-1000	150-1000	150-1000
Vdc range @ full power (Vdc)	500-850	500-850	500-850	500-850
Output				
Normal Voltage(V)	3P+N+PE/3P+PE 230/400			
Frequency (Hz)	50			
Current (normal) (A)	21.8	24.7	29	36.3
Current (Max. continuous) (A)	27	30	32	40
Power rating (W)	15000	17000	20000	25000
Power Rating (VA)	15000	17000	20000	25000
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)
others				
Protective class	Class I			
Ingress protection (IP)	IP 65			
Temperature (°C)	-25°C to +60°C (Derating 45°C)			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			

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Specifications table				
Model	SW3KTL3US2	SW4KTL3US2	SW5KTL3US2	SW6KTL3US2
Input:				
Vmax PV (Vdc)	750	750	750	750
Isc PV (absolute Max.) (A)	25x 2	25x 2	25x 2	25x 2
Number MPP trackers	2	2	2	2
Number input strings	1/1	1/1	1/1	1/1
Max. PV input current(A)	15 x 2	15 x 2	15 x 2	15 x 2
MPPT voltage range (Vdc)	150-600	150-600	150-600	150-600
Vdc range @ full power (Vdc)	220-600	220-600	220-600	220-600
Output				
Normal Voltage(V)	3P+PE/3P 133/230			
Frequency (Hz)	50			
Current (normal) (A)	7.6	10.1	12.6	15.1
Current (Max. continuous) (A)	10.5	13.5	17.0	21.5
Power rating (W)	3000	4000	5000	6000
Power Rating (VA)	3000	4000	5000	6000
Power factor /rated	1.0(-0.8~ +0.8)			
others				
Protective class	Class I			
Ingress protection (IP)	IP 65			
Temperature (°C)	-25°C to +60°C (Derating 45°C)			
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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Specifications table				
Model	SW8KTL3US2	SW10KTL3US2	SW12KTL3US2	SW15KTL3US2
Input:				
Vmax PV (Vdc)	750	750	750	750
Isc PV (absolute Max.) (A)	30+48	48 x 2	48 x 2	48 x2
Number MPP trackers	2	2	2	2
Number input strings	1/2	2/2	2/2	2/2
Max. PV input current(A)	20+32	32x 2	32x 2	32x 2
MPPT voltage range (Vdc)	150-600	150-600	150-600	150-600
Vdc range @ full power (Vdc)	200-600	200-600	250-600	300-600
Output				
Normal Voltage(V)	3P+PE/3P 133/230			
Frequency (Hz)	50			
Current (normal) (A)	20.1	25.1	30.1	37.6
Current (Max. continuous) (A)	27	30	32	40
Power rating (W)	8000	10000	12000	15000
Power Rating (VA)	8000	10000	12000	15000
Power factor /rated	1.0(-0.8~ +0.8)			
others				
Protective class	Class I			
Ingress protection (IP)	IP 65			
Temperature (°C)	-25°C to +60°C (Derating 45°C)			
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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