


# Test Verification of Conformity

Verification Number: 220201393SHA-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:	Shenzhen Hopewind Technology Co., Ltd. A1 Area of Building 6, Jinhaoyuan, No.1 of Yanshan Avenue, Yanchuan Community, Songgang Sub-district, Baoan District, Shenzhen, Guangdong Province China
Product Description:	PV Grid-interactive Inverter
Ratings & Principle Characteristics:	See Appendix for details
Models/Type References:	hopeSun 5KTL, hopeSun 6KTL, hopeSun 8KTL, hopeSun 10KTL, hopeSun 12KTL, hopeSun 15KTL, hopeSun 17KTL, hopeSun 20KTL, hopeSun 22KTL, hopeSun 25KTL, hopeSun 30KTL, hopeSun 33KTL, hopeSun 10KTL-L, hopeSun 12KTL-L, hopeSun 15KTL-L, hopeSun 17KTL-L, hopeSun 24KTL-L, hopeSun 30KTL-L
Trade Mark:	
Standard(s)/Directive(s):	EN IEC 61000-6-2: 2019; EN IEC 61000-6-4: 2019; 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
Date of test:	2021-06-01 ~ 2021-06-24 & 2022-01-24~2022-01-25
Test Report Number(s):	220201393SHA-001

Signature



Name: Jonny Jing

Position: Manager

Date: March 09, 2022

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220201393SHA-V1.

Manufacturing Site Name &  
Address:

Suzhou Hopewind Electric Co., Ltd.

555 Songjia Road, Wusongjiang Science and Technology Industrial Park,  
Wuzhong Economic Development Zone, Suzhou, Jiangsu Province, China

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Parameter table:

Model:	hopeSun 5KTL	hopeSun 6KTL
Input parameters		
Maximum DC input voltage	1100V	
MPPT operating voltage range	200V~1000Vdc	
MPPT rated working voltage	650V	
Maximum input current of each MPPT	20A	
Maximum short-circuit current of each MPPT	30A	
Output parameters		
Rated output power	5KW	6KW
Maximum output power	5.5KW	6.6KW
Rated output voltage	230V/400V 3P+N+PE	
Rated output frequency	50Hz/60Hz	
Rated output current	7.2A	8.6A
Maximum output current	7.9A	9.5A
Power factor	0.8 ahead...0.8 lag	

Model:	hopeSun 8KTL	hopeSun 10KTL	hopeSun 12KTL
Input parameters			
Maximum DC input voltage	1100V		
MPPT operating voltage range	200V~1000Vdc		
MPPT rated working voltage	650V		
Maximum input current of each MPPT	20A/20A		
Maximum short-circuit current of each MPPT	30A/30A		
Output parameters			
Rated output power	8KW	10KW	12KW
Maximum output power	8.8KW	11KW	13.2KW
Rated output voltage	230V/400V 3P+N+PE		
Rated output frequency	50Hz/60Hz		
Rated output current	11.6A	14.5A	17.4A
Maximum output current	12.7A	16A	19.1A
Power factor	0.8 ahead...0.8 lag		

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Model:	hopeSun 15KTL	hopeSun 17KTL	hopeSun 20KTL
Input parameters			
Maximum DC input voltage	1100V		
MPPT operating voltage range	200V--1000Vdc		
MPPT rated working voltage	650V		
Maximum input current of each MPPT	26A/20A	30A/30A	
Maximum short-circuit current of each MPPT	39A/30A	45A/45A	
Output parameters			
Rated output power	15KW	17KW	20KW
Maximum output power	16.5KW	18.7KW	22KW
Rated output voltage	230V/400V 3P+N+PE		
Rated output frequency	50Hz/60Hz		
Rated output current	21.7A	24.6A	28.9A
Maximum output current	23.9A	27A	31.8A
Power factor	0.8 ahead...0.8 lag		

Model:	hopeSun 22KTL	hopeSun 25KTL	hopeSun 30KTL	hopeSun 33KTL
Input parameters				
Maximum DC input voltage	1100V			
MPPT operating voltage range	200V--1000Vdc			
MPPT rated working voltage	650V			
Maximum input current of each MPPT	30A/30A	40A/40A		
Maximum short-circuit current of each MPPT	45A/45A	60A/60A		
Output parameters				
Rated output power	22KW	25KW	30KW	33KW
Maximum output power	24.2KW	27.5KW	33KW	36.3KW
Rated output voltage	230V/400V 3P+N+PE			
Rated output frequency	50Hz/60Hz			
Rated output current	31.8A	36.1A	43.5A	47.6A
Maximum output current	35A	39.7A	47.8A	52.4
Power factor	0.8 ahead---0.8 lag			

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Model or Type designation	hopeSun 10KTL-L	hopeSun 12KTL-L	hopeSun 15KTL-L
PV Input Parameters			
Vmax PV [V d.c.]	1100		
MPPT Voltage Range [V d.c.]	200-1000		
Max. PV Input Current [A d.c.]	26/20	30/30	40/40
DC Short-circuit Current [A d.c.]	39/30	45/45	60/60
AC Output Parameters			
Rated Output Voltage [V a.c.]	380/220; 3P+N+PE		
Rated Output Frequency [Hz]	50/60		
Rated Output Power [kW]	10	12	15
Max. Output Current [A a.c.]	26.2	31.5	39.4
Power Factor cos ϕ [λ]	0.8 (lagging)- 0.8 (leading)		
Others			
Protective Class	Class I		
Inverter Topology	Non-isolated		
Operation Temperature Range	-40~60℃		
Ingress Protection	IP65		
Size [W*H*D mm]	380mm*450mm*245mm		
Weight [kg]	22		
Overvoltage Category	DC II, AC III		

Model or Type designation	hopeSun 17KTL-L	hopeSun 24KTL-L	hopeSun 30KTL-L
PV Input Parameters			
Vmax PV [V d.c.]	1100		
MPPT Voltage Range [V d.c.]	200-1000		
Max. PV Input Current [A d.c.]	40/40	54/54	60/60
DC Short-circuit Current [A d.c.]	60/60	81/81	90/90
AC Output Parameters			
Rated Output Voltage [V a.c.]	380/220; 3P+N+PE		
Rated Output Frequency [Hz]	50/60		
Rated Output Power [kW]	17	24	60
Max. Output Current [A a.c.]	44.6	63	78.7
Power Factor cos $\phi$ [λ]	0.8 (lagging)- 0.8 (leading)		
Others			
Protective Class	Class I		
Inverter Topology	Non-isolated		
Operation Temperature Range	-40~60℃		
Ingress Protection	IP65		
Size [W*H*D mm]	380mm*450mm*245mm		
Weight [kg]	22	30	35
Overvoltage Category	DC II, AC III		

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