

Certificate of Conformity

Certificate Number: CN-PV-220188

On the basis of the tests undertaken, the samples of the below product have been found to comply with the requirements of the referenced standards at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture. The manufacturer shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	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:	Grid-connected PV inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	hopeSun xxKTL-L (xx= 10, 12, 15, 17, 24 and 30) hopeSun xxKTL (xx= 5, 6, 8, 10, 12, 15, 17, 20, 22, 25, 30 and 33)
Brand Name<s>:	Hopewind
Product Complies with:	IEC 62109-1:2010, IEC 62109-2:2011 EN 62109-1:2010, EN 62109-2:2011
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	220201177SHA-001 220201177SHA-002

Additional information in Appendix.

Signature

Certification Manager: Qiao Qiao
Date: 02 September 2022



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220188

Ratings & Principal Characteristics:

Specifications table					
Model or Type designation	hopeSun 8KTL	hopeSun 10KTL	hopeSun 12KTL	hopeSun 15KTL	hopeSun 17KTL
PV Input Parameters					
Vmax PV [V d.c.]	1100				
MPPT Voltage Range [V d.c.]	200-1000				
Max. PV Input Current [A d.c.]	20/20	20/20	20/20	26/20	26/20
Isc PV (absolute Max.) [Ad.c.]	30/30	30/30	30/30	39/30	39/30
AC Grid Output Parameters					
Rated Output Voltage [V a.c.]	400/230; 3P+N+PE				
Rated Output Frequency [Hz]	50/ 60				
Rated Output Power [kW]	8.0	10.0	12.0	15.0	17.0
Max. cont. Apparent Power [kVA]	8.8	11	13.2	16.5	18.7
Max. cont. Output Current [A a.c.]	12.7	16.0	19.1	23.9	27.0
Power Factor cosφ [λ]	1 (0.8lagging - 0.8leading)				
Others					
Protective Class	Class I				
Inverter Topology	Non-isolated				
Operation Temperature Range	-40°C~60°C (>40°C, power-derating)				
Ingress Protection	IP65				
Size [W*H*D mm]	380mm*450mm*245mm				
Weight [kg]	22				
Overvoltage Category	OVC III (AC Main), OVC II (PV)				

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Ratings & Principal Characteristics:

Specifications table					
Model or Type designation	hopeSun 20KTL	hopeSun 22KTL	hopeSun 25KTL	hopeSun 30KTL	hopeSun 33KTL
PV Input Parameters					
Vmax PV [V d.c.]	1100				
MPPT Voltage Range [V d.c.]	200-1000				
Max. PV Input Current [A d.c.]	30/ 30	30/ 30	30/ 30	30/ 30	30/ 30
Isc PV (absolute Max.) [Ad.c.]	45/ 45	45/ 45	45/ 45	45/ 45	45/ 45
AC Grid Output Parameters					
Rated Output Voltage [V a.c.]	400/230; 3P+N+PE				
Rated Output Frequency [Hz]	50/60				
Rated Output Power [kW]	20.0	22.0	25.0	30.0	33.0
Max. cont. Apparent Power [kVA]	22.0	24.2	27.5	33.0	36.3
Max. cont. Output Current [A a.c.]	31.8	35.0	39.7	47.8	52.4
Power Factor cosφ [λ]	1 (0.8lagging - 0.8leading)				
Others					
Protective Class	Class I				
Inverter Topology	Non-isolated				
Operation Temperature Range	-40°C~60°C (>40°C, power-derating)				
Ingress Protection	IP65				
Size [W*H*D mm]	380mm*450mm*245mm				
Weight [kg]	25	30		35	
Overvoltage Category	OVC III (AC Main), OVC II (PV)				

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Ratings & Principal Characteristics:

Specifications table					
Model or Type designation	hopeSun 10KTL-L	hopeSun 12KTL-L	hopeSun 15KTL-L	hopeSun 17KTL-L	hopeSun 24KTL-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	26/ 20	26/ 20	26/ 20	26/ 20
Isc PV (absolute Max.) [Ad.c.]	39/ 30	39/ 30	39/ 30	39/ 30	39/ 30
AC Grid Output Parameters					
Rated Output Voltage [V a.c.]	220/127; 3P+N+PE				
Rated Output Frequency [Hz]	50/60				
Rated Output Power [kW]	10	12	15	17	24
Max. cont. Apparent Power [kVA]	10	12	15	17	24
Max. cont. Output Current [A a.c.]	26.2	31.5	39.4	44.6	63
Power Factor cosφ [λ]	1 (0.8lagging - 0.8leading)				
Others					
Protective Class	Class I				
Inverter Topology	Non-isolated				
Operation Temperature Range	-40°C~60°C (>40°C, power-derating)				
Ingress Protection	IP65				
Size [W*H*D mm]	380mm*450mm*245mm				
Weight [kg]	22				30
Overvoltage Category	OVC III (AC Main), OVC II (PV)				

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Ratings & Principal Characteristics:

Specifications table			
Model or Type designation	hopeSun 5KTL	hopeSun 6KTL	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.]	20	60/ 60	
Isc PV (absolute Max.) [Ad.c.]	30	90/ 90	
AC Grid Output Parameters			
Rated Output Voltage [V a.c.]	400/230; 3P+N+PE		220/127; 3P+N+PE
Rated Output Frequency [Hz]	50/60		
Rated Output Power [kW]	5	6	30
Max. cont.. Apparent Power [kVA]	5.5	6.6	30
Max. cont. Output Current [A a.c.]	7.9	9.5	78.7
Power Factor cosφ [λ]	1 (0.8lagging - 0.8leading)		
Others			
Protective Class	Class I		
Inverter Topology	Non-isolated		
Operation Temperature Range	-40°C~60°C (>40°C, power-derating)		
Ingress Protection	IP65		
Size [W*H*D mm]	380mm*450mm*245mm		
Weight [kg]	22		35
Overvoltage Category	OVC III (AC Main), OVC II (PV)		

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