

Certificate of Conformity

Certificate Number: CN-PV-210230

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

Applicant:	NingBo Deye Inverter Technology Co., Ltd. No. 26 South YongJiang Road, Daqi, Beilun, NingBo, China.
Product:	Hybrid inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	SUN-5K-SG01LP1-EU; SUN-6K-SG01LP1-EU; SUN-7.6K-SG01LP1-EU; SUN-8K-SG01LP1-EU; SUN-5K-SG04LP3-EU; SUN-6K-SG04LP3-EU; SUN-8K-SG04LP3-EU; SUN-10K-SG04LP3-EU; SUN-12K-SG04LP3-EU
Brand Name<s>:	
Tested according to:	RD1699:2011 UNE 206006 IN:2011 UNE 206007-1 IN:2013
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2nd Floor, No. 707, Zhangyang Road, China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by China National Accreditation Service for Conformity Assessment (CNAS C058-P) in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	210825034GZU-001, 210825034GZU-002

Certification procedure: SMS-PV-OP-19
Product certification scheme type: Type test
Additional information in Appendix.



Signature

Certification Manager: Grady Ye
Date: 19 Oct 2021



中国认可
国际互认
产品
PRODUCT
CNAS C058-P

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210230.

Model	SUN-5K-SG01LP1-EU	SUN-6K-SG01LP1-EU
PV Input		
Max. DC input Voltage:	500Vdc	
PV Input Current	11A*2	22A+11A
PV Isc	16.5A*2	28A+16.5A
DC input range:	100-500Vdc	
MPPT Input range	125-425Vdc	
Battery Input		
Battery Type	Lead acid or Lithium-ion	
Battery Voltage Range	40Vdc-60Vdc	
Max Discharge Current	120A	135A
Output		
Nominal AC output voltage:	230Vac	
Nominal frequency:	50/60Hz	
Nominal output power:	5000W	6000W
Max output current:	5500W	6600W
Rated AC Current	21.7A	26A
Max AC Current	25A	30A
Power factor:	0.8 Leading to 0.8 Lagging	
Ingress protection:	IP65	
Protection Class:	Class I	
Operation Ambient Temp	-25°C to +60°C	
Software Version	Ver1881	

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Model	SUN-7.6K-SG01LP1-EU	SUN-8K-SG01LP1-EU
PV Input		
Max. DC input Voltage:	500Vdc	
PV Input Current	22A*2	
PV Isc	28A*2	
DC input range:	100-500Vdc	
MPPT Input range	125-425Vdc	
Battery Input		
Battery Type	Lead acid or Lithium-ion	
Battery Voltage Range	40Vdc-60Vdc	
Max Discharge Current	190A	190A
Output		
Nominal AC output voltage:	230Vac	
Nominal frequency:	50/60Hz	
Nominal output power:	7600W	8000W
Max output current:	8360W	8800W
Rated AC Current	33A	35A
Max AC Current	38A	40A
Power factor:	0.8 Leading to 0.8 Lagging	
Ingress protection:	IP65	
Protection Class:	Class I	
Operation Ambient Temp	-25°C to +60°C	
Software Version	Ver1881	

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Model	SUN-5K-SG04LP3-EU	SUN-6K-SG04LP3-EU	SUN-8K-SG04LP3-EU
PV Input			
Max. DC input Voltage:	800Vdc		
PV Input Current	13A*2		
PV Isc	17A*2		
DC input range:	150-800Vdc		
MPPT Input range	200-625Vdc		
Battery Input			
Battery Type	Lead acid or Lithium-ion		
Battery Voltage Range	40Vdc-60Vdc		
Max Discharge Current	120A	150A	190A
Output			
Nominal AC output voltage:	380/400Vac		
Nominal frequency:	50/60Hz		
Nominal output power:	5000W	6000W	8000W
Max output current:	5500W	6600W	8800W
Rated AC Current	7.5A	9A	12A
Max AC Current	11.4A	13.5A	18A
Power factor:	0.8 Leading to 0.8 Lagging		
Ingress protection:	IP65		
Protection Class:	Class I		
Operation Ambient Temp	-25°C to +60°C		
Software Version	Ver 1001-c00d		

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Model	SUN-10K-SG04LP3-EU	SUN-12K-SG04LP3-EU
PV Input		
Max. DC input Voltage:	800Vdc	
PV Input Current	26A+13A	
PV Isc	34A+17A	
DC input range:	150-800Vdc	
MPPT Input range	200-625Vdc	
Battery Input		
Battery Type	Lead acid or Lithium-ion	
Battery Voltage Range	40Vdc-60Vdc	
Max Discharge Current	210A	240A
Output		
Nominal AC output voltage:	380/400Vac	
Nominal frequency:	50/60Hz	
Nominal output power:	10000W	12000W
Max output current:	11000W	13200W
Rated AC Current	15A	18A
Max AC Current	23A	27A
Power factor:	0.8 Leading to 0.8 Lagging	
Ingress protection:	IP65	
Protection Class:	Class I	
Operation Ambient Temp	-25°C to +60°C	
Software Version	Ver 1001-c00d	

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