

Certificate of Conformity

Certificate Number: CN-PVES-260121

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-xK-SG04LP3-EU-AM2-LV (x=5, 6, 8, 10, 12),
SUN-yK-SG04LP3-EU-AM2-LV-P (y=5, 6, 8, 10, 12)

Brand Name<s>: 

Product Complies with: IEC 61727:2004
IEC 62116:2014

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 ACCREDIA in accordance with ISO/IEC 17065:2012

Test Report No.<s>: 251100142SHA-001

Additional information in Appendix.

Signature



Certification Manager: Qiao Qiao

Date: 22 April 2026



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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-260121

Ratings & Principal Characteristics:

Model		SUN-5K-SG04LP3-EU-AM2-LV	SUN-6K-SG04LP3-EU-AM2-LV	SUN-8K-SG04LP3-EU-AM2-LV	SUN-10K-SG04LP3-EU-AM2-LV	SUN-12K-SG04LP3-EU-AM2-LV
DC input side	V _{MAX} Input [Vd.c.]	600				
	MPPT Voltage Range [Vd.c.]	200-450				
	MPPT Full Power Voltage Range[Vd.c.]	350-450				
	Isc PV[Ad.c.]	19.5+19.5	19.5+19.5	19.5+19.5	39+19.5	39+19.5
	Maximum DC Input Current [Ad.c.]	13+13	13+13	13+13	26+13	26+13
	Overvoltage Category (OVC)	II				
Battery	Battery Voltage Range [Vd.c.]	40-60				
	Max. battery charge current [Ad.c.]	120	150	190	210	240
	Max. battery discharge current [Ad.c.]	120	150	190	210	240
	Battery Type	Lead-acid or Lithium-ion				
AC output side	Rated Output Voltage Ur [Va.c.]	3L/N/PE 127/220				
	Rated Output Frequency F _{NETZ} [Hz]	50/60				
	Rated Output Power P _E [kW]	5	6	8	10	12
	Max.Output Apparent Power[kVA]	5	6	8	10	12
	Rated. Output Current I _r [Aa.c.]	13.2	15.8	21.0	26.3	31.5
	Max. Output Current I _{max} [Aa.c.]	13.2	15.8	21.0	26.3	31.5
	Power Factor cosφ [λ]	-0.8 to 0.8				
Overvoltage Category (OVC)	III					

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Grid input rating	Rated Input Voltage [Va.c.]	3L/N/PE 127/220				
	Rated Input Frequency [Hz]	50/60				
	Max input apparent power [kVA]	5	6	8	10	12
	Max. input current [Aa.c.]	13.2	15.8	21.0	26.3	31.5
GEN Port	Rated Input Voltage Ur [Va.c.]	3L/N/PE 127/220				
	Rated Input Frequency FNETZ [Hz]	50/60				
	Rated. Input Current Ir [Aa.c.]	24				
System	Protective Class	I				
	Enclosure Protection (IP)	IP65				
	Operating Temperature Range [°C]	-40 to +60 (>45 derating)				
	Pollution degree (PD)	PD 3				
	Altitude [m]	2000				
	Weight [kg]	40				
	Dimension [W*H*D (mm)]	422*658*254				
Type of inverter	non isolated					

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Model		SUN-5K-SG04LP3-EU-AM2-LV-P	SUN-6K-SG04LP3-EU-AM2-LV-P	SUN-8K-SG04LP3-EU-AM2-LV-P	SUN-10K-SG04LP3-EU-AM2-LV-P	SUN-12K-SG04LP3-EU-AM2-LV-P
DC input side	V _{MAX} Input [Vd.c.]	800				
	MPPT Voltage Range [Vd.c.]	200-650				
	MPPT Full Power Voltage Range [Vd.c.]	350-650				
	Isc PV [Ad.c.]	30+30	30+30	30+30	54+30	54+30
	Maximum DC Input Current [Ad.c.]	20+20	20+20	20+20	36+20	36+20
	Overvoltage Category (OVC)	II				
Battery	Battery Voltage Range [Vd.c.]	40-60				
	Max. battery charge current [Ad.c.]	120	130	190	210	240
	Max. battery discharge current [Ad.c.]	120	130	190	210	240
	Battery Type	Lead-acid or Lithium-ion				
AC output side	Rated Output Voltage U _r [Va.c.]	3L/N/PE 127/220				
	Rated Output Frequency F _{NETZ} [Hz]	50/60				
	Rated Output Power P _E [kW]	5	6	8	10	12
	Max. Output Apparent Power [kVA]	5	6	8	10	12
	Rated. Output Current I _r [Aa.c.]	13.2	15.8	21	26.3	31.5
	Max. Output Current I _{max} [Aa.c.]	13.2	15.8	21	26.3	31.5
	Power Factor cosφ [λ]	-0.8 to 0.8				
	Overvoltage Category (OVC)	III				

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	Max. input current [Aa.c.]	13.2	15.8	21	26.3	31.5
GEN Port	Rated Input Voltage Ur [Va.c.]	3L/N/PE 127/220				
	Rated Input Frequency FNETZ [Hz]	50/60				
	Rated. Input Current Ir [Aa.c.]	24				
System	Protective Class	I				
	Enclosure Protection (IP)	IP65				
	Operating Temperature Range [°C]	-40 to +60 (>45 derating)				
	Pollution degree (PD)	PD 3				
	Altitude [m]	3000				
	Weight [kg]	40.9				
	Dimension [W*H*D (mm)]	422*658*254				
	Type of inverter	non isolated				

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