

Certificate of Conformity

Certificate Number: CN-PVES-250367

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:	Grid-connected PV Inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	SUN-3.6K-G05P1-EU-AM2, SUN-4K-G05P1-EU-AM2, SUN-4.2K-G05P1-EU-AM2, SUN-4.6K-G05P1-EU-AM2, SUN-5K-G05P1-EU-AM2, SUN-5.2K-G05P1-EU-AM2, SUN-6K-G05P1-EU-AM2, SUN-6.2K-G05P1-EU-AM2; SUN-3.6K-G05P1-EU-CM2, SUN-4K-G05P1-EU-CM2, SUN-4.2K-G05P1-EU-CM2, SUN-4.6K-G05P1-EU-CM2, SUN-5K-G05P1-EU-CM2, SUN-5.2K-G05P1-EU-CM2, SUN-6K-G05P1-EU-CM2, SUN-6.2K-G05P1-EU-CM2.
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>:	2507B2200SHA-001

Additional information in Appendix.

Signature



Certification Manager: Qiao Qiao

Date: 17 September 2025



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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250367

Ratings & Principle Characteristics:

Model	SUN-3.6K-G05P1-EU-AM2	SUN-4K-G05P1-EU-AM2	SUN-4.2K-G05P1-EU-AM2	SUN-4.6K-G05P1-EU-AM2
	SUN-3.6K-G05P1-EU-CM2	SUN-4K-G05P1-EU-CM2	SUN-4.2K-G05P1-EU-CM2	SUN-4.6K-G05P1-EU-CM2
Input Side				
V _{MAX} Input [Vd.c.]	550			
MPPT Voltage Range [Vd.c.]	70-500			
MPPT Full Power Voltage Range[Vd.c.]	130-500	145-500	150-500	165-500
I _{sc} PV[Ad.c.]	27+27			
Maximum PV Input Current [Ad.c.]	18+18			
Start PV Voltage [Vd.c.]	80			
Overvoltage Category (OVC)	II			
Output Side				
Rated Output Voltage [Va.c.]	L/N/PE,220/230			
Rated Output Frequency [Hz]	50/60			
Rated Output Power [kW]	3.6	4	4.2	4.6
Max.Output Apparent Power[kVA]	3.96	4.4	4.62	5.06
Rated. Output Current [Aa.c.]	16.4/15.7	18.2/17.4	19.1/18.3	21.0/20.0
Max. Output Current [Aa.c.]	18.0/17.3	20.0/19.2	21.0/20.1	23.0/22.0
Power Factor cosφ [λ]	-0.8 to 0.8			
Overvoltage Category (OVC)	III			
Others				
Protective Class	I			
Enclosure Protection (IP)	IP65			
Operating Temperature Range	-25°C to 60°C (>45 °C derating)			
Pollution degree (PD)	PD 3			
Altitude [m]	3000			
Weight [kg]	7.7			
Dimension [W*H*D (mm)]	305*280*180 (Excluding connectors and brackets)			
Type of inverter	non isolated			
Firmware version	V8556-0103			

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Model	SUN-5K-G05P1-EU-AM2	SUN-5.2K-G05P1-EU-AM2	SUN-6K-G05P1-EU-AM2	SUN-6.2K-G05P1-EU-AM2
	SUN-5K-G05P1-EU-CM2	SUN-5.2K-G05P1-EU-CM2	SUN-6K-G05P1-EU-CM2	SUN-6.2K-G05P1-EU-CM2
Input Side				
V _{MAX} Input [Vd.c.]	550			
MPPT Voltage Range [Vd.c.]	70-500			
MPPT Full Power Voltage Range[Vd.c.]	180-500	190-500	215-500	225-500
Isc PV [Ad.c.]	27+27			
Maximum PV Input Current [Ad.c.]	18+18			
Start PV Voltage [Vd.c.]	80			
Overvoltage Category (OVC)	II			
Output Side				
Rated Output Voltage [Va.c.]	L/N/PE,220/230			
Rated Output Frequency [Hz]	50/60			
Rated Output Power [kW]	5.0	5.2	6.0	6.2
Max.Output Apparent Power[kVA]	5.5	5.72	6.6	6.82
Rated. Output Current [Aa.c.]	22.8/21.8	23.7/22.7	27.3/26.1	28.2/27.0
Max. Output Current [Aa.c.]	25.0/24.0	26.0/24.9	30.0/28.7	31.0/29.7
Power Factor cosφ [λ]	-0.8 to 0.8			
Overvoltage Category (OVC)	III			
Others				
Protective Class	I			
Enclosure Protection (IP)	IP65			
Operating Temperature Range	-25°C to 60°C (>45 °C derating)			
Pollution degree (PD)	PD 3			
Altitude [m]	3000			
Weight [kg]	7.7			
Dimension [W*H*D (mm)]	305*280*180 (Excluding connectors and brackets)			
Type of inverter	non isolated			
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