Certificate of Conformity

Certificate Number: CN-PVES-240098

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-3K-SG05LP3-EU-SM2, SUN-4K-SG05LP3-EU-SM2, SUN-5K-SG05LP3-EU-SM2, SUN-6K-SG05LP3-EU-SM2, SUN-8K-SG05LP3-EU-SM2, SUN-10K-SG05LP3-EU-SM2, SUN-12K-SG05LP3-EU-SM2.
Brand Name<s>:	Deye (Deye)
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>:	2311A0686SHA-001

Additional information in Appendix.

Signature

Certification Manager: Qiao Qiao
Date: 25 March 2024

PRD N° 306B

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240098

Ratings & Principle Characteristics:

Model	SUN-3K-SG05LP3-EU-SM2	SUN-4K-SG05LP3-EU-SM2	SUN-5K-SG05LP3-EU-SM2	SUN-6K-SG05LP3-EU-SM2	SUN-8K-SG05LP3-EU-SM2	SUN-10K-SG05LP3-EU-SM2	SUN-12K-SG05LP3-EU-SM2
Battery Input Data							
Battery Type	Lead-acid or Li-Ion						
Battery Voltage Range(V)	40-60V						
Max.Charging Current(A)	70A	95A	120A	135A	190A	210A	240A
Max.Discharging Current(A)	70A	95A	120A	135A	190A	210A	240A
Charging Curve	3 Stages / Equalization						
External Temperature Sensor	yes						
PV String Input Data							
Max. PV Input Power(W)	3900W	5200W	6500W	7800W	10400W	13000W	15600W
PV Input Voltage(V)	160V-800V						
MPPT Range(V)	200V-650V						
Full Load PV Voltage Range(V)	250V-650V					350V-650V	
Start-up Voltage(V)	160V						
PV Input Current(A)	20A+20A						
Max.PV Isc(A)	30A+30A						
No. of MPP Trackers	2						
No. of Strings Per MPP Tracker	1+1						

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Ratings & Principle Characteristics:

Model	SUN-3K-SG05LP3-EU-SM2	SUN-4K-SG05LP3-EU-SM2	SUN-5K-SG05LP3-EU-SM2	SUN-6K-SG05LP3-EU-SM2	SUN-8K-SG05LP3-EU-SM2	SUN-10K-SG05LP3-EU-SM2	SUN-12K-SG05LP3-EU-SM2
AC Output Data							
Rated AC Output and UPS Power(W)	3000W	4000W	5000W	6000W	8000W	10000W	12000W
Max. AC Output Power(W)	3300W	4400W	5500W	6600W	8800W	11000W	13200W
Peak Power(off grid)	2 times of rated power, 10S						
AC Output Rated Current(A)	4.6/4.4	6.1/5.8	7.6/7.3	9.1/8.7	12.2/11.6	15.2/14.5	18.2/17.4
Max. AC Current(A)	5/4.8	6.7/6.4	8.4/8	10/9.6	13.4/12.8	16.7/16	20/19.2
Max. Three-phase Unbalanced Output Current(A)	6.9/6.6	9.1/8.7	11.4/10.9	13.7/13.1	18.2/17.4	22.8/21.8	27.3/26.1
Max. Continuous AC Passthrough(A)	45A						
Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac						
Grid Type	Three Phase						
Total Harmonic Distortion (THD)	<3% (of nominal power)						
DC current injection	<0.5% In						
Others							
Operating Temperature Range(℃)	-40 to 60℃, >45℃ Derating						
Cooling	Intelligent Air Cooling						
Noise(dB)	≤ 55 dB						
Weight (kg)	35.2						
Protection Degree	IP65						
Permissible Altitude	3000m						
Overvoltage category	OVC III (AC main), OVC II (DC)						
Firmware Version	1144						

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