

Certificate of Conformity

Certificate Number: CN-PVES-240228R1

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-3.6K-SG01LP1-EU, SUN-3.6K-SG01LP1-EU-B, SUN-5K-SG01LP1-EU, SUN-5K-SG01LP1-EU-B, SUN-6K-SG01LP1-EU, SUN-6K-SG01LP1-EU-B, SUN-7.6K-SG01LP1-EU, SUN-7.6K-SG01LP1-EU-B, SUN-8K-SG01LP1-EU, SUN-8K-SG01LP1-EU-B
Brand Name<s>:	Deye
Product Complies with:	DIN V VDE V 0126-1-1: 2013
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>:	2403B1763SHA-001, 2403B1763SHA-001 Amendment 1

Additional information in Appendix.

Replaces certificate CN-PVES-240228 dated 28 May 2024

Signature



Certification Manager: Qiao Qiao

Date: 10 July 2024



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240228R1

Ratings & Principle Characteristics:

Model Number	SUN-8K-SG01LP1 -EU	SUN-7.6K-SG01LP1 -EU	SUN-6K-SG01LP1 -EU	SUN-5K-SG01LP1 -EU	SUN-3.6K-SG01LP1 -EU
Charge Mode					
Battery Voltage	48Vd.c. (40-60V)				
Battery Current	190Ad.c. Max	190Ad.c. Max	135Ad.c. Max	120Ad.c. Max	90Ad.c. Max
AC Input Voltage	220/230Va.c.				
AC Input Frequency	50/60Hz				
AC Input Rated Current	36.4/34.8Aa.c.	34.5/33Aa.c.	27.3/26.1Aa.c.	22.7/21.7Aa.c.	16.4/15.7Aa.c.
Max AC Input Current	40.0/38.3Aa.c.	38.0/36.3Aa.c.	30.0/28.7Aa.c.	25.0/23.9Aa.c.	18.0/17.2Aa.c.
Max AC Input Power	8800W	8360W	6600W	5500W	3960W
PV input voltage	370Vdc				
MPPT Input range	150-425Vd.c.				
Full Load DC Voltage Range	200 - 425Vd.c.		300 - 425Vd.c.		
PV Input current	26Ad.c.*2	26Ad.c.*2	26Ad.c.+ 13Ad.c.	13Ad.c.*2	13Ad.c.*2
Max.PV input power	10400W	9880W	7800W	6500W	4680W

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APPENDIX: Certificate of Conformity

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Ratings & Principle Characteristics:

Utility-Interactive					
AC Output Voltage	220/230Va.c.				
AC Output Frequency	50/60Hz				
AC Output Rated Current	36.4/34.8Aa.c.	34.5/33Aa.c.	27.3/26.1Aa.c.	22.7/21.7Aa.c.	16.4/15.7Aa.c.
Max AC Output Current	40/38.3Aa.c.	38/36.3Aa.c.	30/28.7Aa.c.	25/23.9Aa.c.	18/17.2Aa.c.
Max AC Output Power	8800VA	8360VA	6600VA	5500VA	3960VA
AC Output Rated Power	8000W	7600W	6000W	5000W	3600W
Battery discharge Voltage	40-60Vd.c.				
Battery discharge Current	190Ad.c. Max	190Ad.c. Max	135Ad.c. Max	120Ad.c. Max	90Ad.c. Max
Battery discharge Power	8000W	7600W	6000W	5000W	3600W
Power factor	0.8 leading to 0.8 lagging				
Ambient temperature	-40 °C ~ 60°C ((> 45°C derating)				
Ingress protection	IP65	IP65	IP65	IP65	IP65
Protective class	Class I				

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Ratings & Principle Characteristics:

Model Number	SUN-8K-SG01LP1 -EU-B	SUN-7.6K-SG01LP1 -EU-B	SUN-6K-SG01LP1 -EU-B	SUN-5K-SG01LP1 -EU-B	SUN-3.6K-SG01LP1 -EU-B
Charge Mode					
Battery Voltage	48Vd.c. (40-60V)				
Battery Current	190Ad.c. Max	190Ad.c. Max	135Ad.c. Max	120Ad.c. Max	90Ad.c. Max
AC Input Voltage	220/230Va.c.				
AC Input Frequency	50/60Hz				
AC Input Rated Current	36.4/34.8Aa.c.	34.5/33Aa.c.	27.3/26.1Aa.c.	22.7/21.7Aa.c.	16.4/15.7Aa.c.
Max AC Input Current	40/38.3Aa.c.	38/36.3Aa.c.	30/28.7Aa.c.	25/23.9Aa.c.	18/17.2Aa.c.
Max AC Input Power	8800W	8360W	6600W	5500W	3960W
PV input voltage	370Vdc				
MPPT Input range	150-425Vd.c.				
Full Load DC Voltage Range	200 - 425Vd.c.		300 - 425Vd.c.		
PV Input current	26Ad.c.*2	26Ad.c.*2	26Ad.c.+ 13Ad.c.	13Ad.c.*2	13Ad.c.*2
Max.PV input power	10400W	9880W	7800W	6500W	4680W

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Battery discharge Voltage	40-60Vd.c.				
Battery discharge Current	190Ad.c. Max	190Ad.c. Max	135Ad.c. Max	120Ad.c. Max	90Ad.c. Max
Battery discharge Power	8000W	7600W	6000W	5000W	3600W
Power factor	0.8 leading to 0.8 lagging				
Ambient temperature	-40 °C ~ 60°C ((> 45°C derating)				
Ingress protection	IP20	IP20	IP20	IP20	IP20
Protective class	Class I				

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