


Certificate of Conformity

Certificate Number: CN-PVES-240512

On the basis of the tests undertaken, the samples of the below product have been found to comply with the requirements of the referenced standards at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture. The manufacturer 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-29.9K-SG01HP3-EU-BM3, SUN-30K-SG01HP3-EU-BM3, SUN-35K-SG01HP3-EU-BM3, SUN-40K-SG01HP3-EU-BM4, SUN-50K-SG01HP3-EU-BM4
Brand Name<s>:	
Product Complies with:	TOR Erzeuger Type A version 1.2, 18 April 2022 OVE-Richtlinie R 25:2020
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>:	2406B0361SHA-001

Additional information in Appendix.



Signature

Certification Manager: Qiao Qiao
Date: 15 November 2024



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240512

Specifications table					
MODELS LIST	SUN-29.9K-SG01HP3-EU-BM3	SUN-30K-SG01HP3-EU-BM3	SUN-35K-SG01HP3-EU-BM3	SUN-40K-SG01HP3-EU-BM4	SUN-50K-SG01HP3-EU-BM4
Battery Input Data					
Battery Type	Lithium-ion				
Battery Voltage Range [V]	160-800				
Max.Charging/Discharging Current [A]	50+50/50+50				
Number of battery input	2				
PV Input Data					
Max. PV Input Voltage [V]	1000				
MPPT Voltage Range [V]	150-850				
Max. Input Short-Circuit Current [A]	55+55+55			55+55+55+55	
Max. Operating PV Input Current [A]	36+36+36			36+36+36+36	
No. of MPP Trackers/No. of Strings MPP Tracker	3/2+2+2			4/2+2+2+2	
AC Input/Output Data					
Rated AC Input/Output Active Power [W]	29900	30000	35000	40000	50000
Max. AC Input/Output Apparent Power [VA]	29900	33000	38500	44000	55000
Rated AC Input/Output Current [A]	43.4	43.5	50.8	58.0	72.5
Max. AC Input/Output Current [A]	43.4	47.9	55.8	63.8	79.8

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AC Input/Output Voltage [V]	3L/N/PE 230/400
Rated Input/Output Grid Frequency	50Hz/60Hz
Power Factor Adjustment Range	0.8 leading-0.8 lagging
General Data	
Ingress Protection(IP) Rating	IP 65
Inverter Topology	Non-Isolated
Over Voltage Category	OVC II(DC),OVC III(AC)
Firmware version	Software version: 1087 Hardware version: V2

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