

Certificate of Conformity

Certificate Number: CN-PVES-240234

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-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:	XP C15-712-3:2019 DIN V VDE V 0126-1-1:2013.08 compliant with VFR2019 EDF SEI REF 04 Version 7 EDT:2011
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
Test Report No.<s>:	2404B1026SHA-001

Additional information in Appendix.



Signature

Certification Manager: Qiao Qiao

Date: 29 May 2024

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240234

Ratings & Principle Characteristics:

Specifications table					
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
PV Input					
P pv Max(W)	38870	39000	45500	52000	65000
Vmax PV (Vdc)	1000				
Isc PV (absolute Max.) (A)	55+55+55			55+55+55+55	
Input Voltage Range (Vdc)	180-1000				
MPPT Voltage Range(V)	150-850				
MPPT Full Power Voltage Range(V)	360-850	360-850	420-850	360-850	450-850
Max. PV Input Current(A)	36+36+36			36+36+36+36	
No. Of Strings Per MPP Tracker	2+2+2			2+2+2+2	
Battery					
Battery Type	Lithium-ion				
Battery Voltage (V)	160-800				
Max.Charging/Discharging Current (A)	50+50				
Max.Charging/Discharging Power (W)	29900	33000	38500	44000	55000
Number of Battery Input	2				

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Ratings & Principle Characteristics:

AC Input/Output					
Normal Voltage(V)	3L/N/PE 230/400				
Frequency (Hz)	50 / 60				
Rated Input/Output Current (A)	43.4	43.5	50.8	58.0	72.5
Max. Input/Output Current (A)	43.4	47.9	55.8	63.8	79.8
Rated Input/Output Power (W)	29900	30000	35000	40000	50000
Max. Input/Output Power (VA)	29900	33000	38500	44000	55000
Power factor /(default)	1 default (0.8Leading-0.8Lagging)				
AC Load Output (stand alone)					
Normal Voltage(V)	3L/N/PE 230/400				
Frequency (Hz)	50 / 60				
Rated Output Current (A)	43.4	43.5	50.8	58.0	72.5
Rated Output Power (W)	29900	30000	35000	40000	50000
Others					
Protective class	Class I				
Ingress protection (IP)	IP 65				
Temperature (°C)	-40°C to +60°C (>45°C derating)				
Inverter Isolation	Non-isolated				
Overvoltage category	OVC III (AC Main), OVC II (PV)				
Dimension(mm)	527*894*294				
Weight (kg)	80				
Firmware version	1020				

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