

Certificate of Conformity

Certificate Number: CN-PVES-240194R1

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-12K-SG01LP1-EU, SUN-14K-SG01LP1-EU, SUN-16K-SG01LP1-EU
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>:	2402B0791SHA-001, 2402B0791SHA-001 Amendment 1

Additional information in Appendix.

Replaces certificate CN-PVES-240194 dated 08 May 2024



Signature

Certification Manager: Qiao Qiao

Date: 10 July 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-240194R1

Ratings & Principle Characteristics:

Model	SUN-12K-SG01LP1-EU	SUN-14K-SG01LP1-EU	SUN-16K-SG01LP1-EU
Input:			
Vmax PV (Vdc)	500	500	500
Isc PV (absolute Max.) (A)	44+44+44	44+44+44	44+44+44
Input Voltage Range (Vdc)	150-425	150-425	150-425
MPPT Full Power Voltage Range(A)	250-425	250-425	250-425
Max. PV input current(A)	26+26+26	26+26+26	26+26+26
Start PV Voltage (Vdc)	125	125	125
Output			
Normal Voltage(V)	L/N/PE 220/230Vac		
Frequency (Hz)	50/60 Hz		
Rated Output Current (A)	54.5/52.2	63.6/60.9	72.7/69.6
Max. Output Current (A)	60/57.4	70/67	80/76.5
Rated Output Power (kW)	12	14	16
Max. Output Power (kVA)	13.2	15.4	17.6
Power factor /(default)	1 default (0.8Leading-0.8Lagging)		
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)	464*763*282		
Weight (kg)	52		
Firmware version	9022		

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.