

Certificate of Conformity

Certificate Number: CN-PVES-250304

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: GoodWe Technologies Co., Ltd.
No.90 ZiJin Rd., New District, Suzhou, 215011, China

Product: Grid-Tied PV Inverter

Ratings & Principal Characteristics: See appendix of Certificate of Conformity

Model: GW50K-SDT-C30

Brand Name<s>: 

Product Complies with: CEI 0-21:2022-03 + V1:2022-11 + V2:2024-01 + V2/EC:2024-03 + V2/EC2:2025-02: Reference technical rules for the connection of active and passive users to the LV electrical Utilities

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

Test Report No.<s>: 250500200SHA-001

Additional information in Appendix.



Signature

Certification Manager: Qiao Qiao
Date: 01 August 2025

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-250304

Ratings & Principal Characteristics:

Topology of the device, which this certificate is based on			
Interface Device	Interface Protection Device	Static Conversion Device	Rotating Device
☒	☐	☒	☐

Specifications table for Inverter	
Model	GW50K-SDT-C30
PV input	
Max. Input Power [W]	90000
Max. Input Voltage [Vd.c.]	1100
MPPT Voltage Range [Vd.c.]	140-1000
MPPT Nominal Power Voltage Range [Vd.c.]	450-850
Nominal Input Voltage (V)	600
Maximum DC Input Current [Ad.c.]	40+40+40+40
ISC PV [A]	52+52+52+52
Overvoltage Category (OVC)	II
Output	
Rated Output Voltage Ur [Va.c.]	220/380, 230/400, 240/415, 3L/N/PE or 3L/PE
Rated Output Frequency [Hz]	50/60
Rated Output Active Power [kW]	50
Maximum Output Active Power [kW]	50
Rated Output Apparent Power [kVA]	50
Maximum Output Apparent Power [kVA]	50
Rated. Output Current Ir [Aa.c.]	75.7/72.4/69.4
Max. Output Current Imax [Aa.c.]	75.7
Power Factor cosφ [λ]	[-0.8, 0.8]
Overvoltage Category (OVC)	III
Others	
Protective Class	I
Enclosure Protection (IP)	IP66
Operating Temperature Range [°C]	-30 to +60 (>45°C derating)
Pollution degree (PD)	III
Altitude [m]	4000
Weight [kg]	33
Dimension [W/H/D] (mm)	646*484*230
Type of inverter	non isolated
Firmware version	V1.01.01

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.