

Certificate of Conformity

Certificate Number: CN-PVES-250318

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.

Product: Grid-Tied PV Inverter

Ratings & Principal Characteristics: See appendix of Certificate of Conformity

Model: GW50K-SDT-C30

Brand Name<s>: **GOODWE**

Product Complies with: CEI 0-16:2022-03 + V1:2022-11 + V2:2023-05 + V3:2024-01 + V3/EC:2024-02 + V3/EC2:2024-03 + V4:2025-02: Reference technical rules for the connection of active and passive consumers to the HV and MV electrical networks of distribution Company

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>: 250500201SHA-001

Additional information in Appendix.



Signature

Certification Manager: Qiao Qiao

Date: 18 August 2025

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250318

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

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