

Certificate of compliance

Applicant: GoodWe Technologies Co., Ltd

No.90 Zijin Rd., New District, Suzhou, 215011

China

Product: Photovoltaic inverter

Model: GW25K-SDT-30

GW30K-SDT-30 GW40K-SDT-P30

Inverter for three-phase parallel connection to the public grid. The network monitoring and disconnection device is an integral part of the above-mentioned model.

Applied rules and standards:

NRS 097-2-1:2024 Edition 3.0

Grid interconnection of embedded generation, Part 2: Small-scale embedded generation, Section 1: Utility interface Comply with:

Category A2: 13,8 kVA – 100 kVA Category A3: 100 kVA – 1 MVA

IEC 61727:2004 Edition 2 (5.2 Over/under voltage and frequency)

Photovoltaic (PV) systems - Characteristics of the utility interface

IEC 62116:2014 Edition 2

Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters

VDE AR-N 4105:2011-08 (A.6 General requirements, single-fault tolerance)

Power generation systems connected to the low-voltage distribution network

Note

The inverters are comply with IEC/EN 61000-2-2 "Environment - Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems"

At the time of issue of this certificate, the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Report number: PVZA2411WDG0312-1

Certificate number: U25-0182

Certification Program:

Date of issue:

Certification body

Domenik Koll

Domenik Koll

Domenik Systems Germany

m: NSOP-0032-DEU-ZE-V10

2025-03-12

DAKKS

Deutsche
Akkreditierungsstelle
D-ZE-12024-01-00

Accreditation

Accredited certification body by Deutsche Akkreditierungsstelle GmbH (DAkkS) according to ISO/IEC 17065. The accreditation is valid only for the scope listed in the annex of the accreditation certificate D-ZE-12024-01-00. The Deutsche Akkreditierungsstelle GmbH (DAkkS) is signatory of the multilateral arrangements of EA, ILAC and IAF for mutual recognition.

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Annex certificate of conformity No. U25-0182

Extract from test report PVZA2411WDG0312-1 issued by a testing laboratory accredited by "A2LA" according to ISO/IEC 17025. The accreditation is only valid for the scope listed in the annex of the accreditation certificate "2951.01".

Annex					
Manufacturer	GoodWe Technologies Co., Ltd No.90 Zijin Rd., New District, Suzhou, 215011 China				
Product type	Photovoltaic inverter				
Static converter model	GW25K-SDT-30	GW30K-SDT-30	GW40K-SDT-P30		
Input DC (photovoltaic)					
MPP voltage range [V]	140-950	140-950	140-1000		
Max. input voltage [V]	1100	1100	1100		
Max. input current per MPPT [A]	40/40/40	40/40/40	40/40/40/40		
Output AC					
Rated AC voltage [V]	230, 3L/N/PE, 50Hz	230, 3L/N/PE, 50Hz	230, 3L/N/PE, 50Hz		
Max. output current [A]	37,9	45,5	60,6		
Nom. converter output (P _{NINV}) [W]	25000	30000	40000		
Rated apparent power [VA]	25000	30000	40000		
Interface protection system and in	nterface switch (Netwo	ork and system protect	ion "NS-protection")		
Type of protection	Integrated NS-prote	Integrated NS-protection			
Assigned to generation unit type	GW25K-SDT-30 GW30K-SDT-30 GW40K-SDT-P30	GW30K-SDT-30			
Integrated interface switch	Type of switching equipment 1: Relay (Model CHAR-112A75C) Type of switching equipment 2: Relay (Model CHAR-112A75C)				
	Note: The output is switched off by the inverter bridge and two relay in series in each line and neutral.				
Firmware version		V1.00.00			

Note

The settings of the generators are password protected adjustable.

In case the above stated generators are used with an external protection device, the protection settings of the inverters are to be adjusted according to the manufacturer's declaration.