

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.

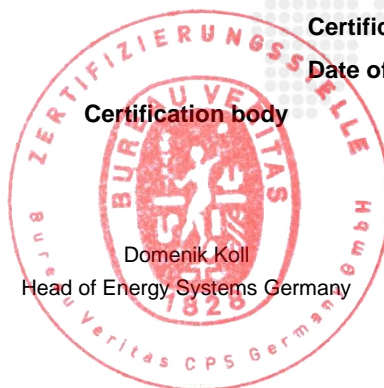
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Certificate number: **U25-0182**

Certification Program: **NSOP-0032-DEU-ZE-V10**

Date of issue: **2025-03-12**

Accreditation



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 interface switch (Network and system protection “NS-protection”)				
Type of protection	Integrated NS-protection			
Assigned to generation unit type	GW25K-SDT-30 GW30K-SDT-30 GW40K-SDT-P30			
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.				