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Certificate of compliance

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

Product: Photovoltaic inverter

Model: GW60K-SMT-G20

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:

SAGC Version 3.1:2022-01

Grid connection code for renewable power plants (RPPs) connected to the electricity transmission system (TS) or the distribution system (DS) in South Africa

Category A2: 13,8 – 100 kVA

Category A3: 100 kVA – 1 MVA

Category B: 1 – 20 MVA

Category C: 20 MVA or higher

IEC 62116:2008 Edition 1

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

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: PVZA2505WDG0281-2

Certificate number: U25-0980

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

Date of issue: 2025-10-27

Certification body

Accreditation



Domenik Koll
Head of Energy Systems Germany



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. U25-0980

Extract from test report PVZA2505WDG0281-2 issued by a testing laboratory accredited by "Deutsche Akkreditierungsstelle GmbH (DAkkS)" according to ISO/IEC 17025. The accreditation is only valid for the scope listed in the annex of the accreditation certificate "D-PL-12024-03-04".

Annex				
Manufacturer	GoodWe Technologies Co., Ltd. No.90, ZiJin Rd., New District Suzhou, 215011 China			
Product type	Photovoltaic inverter			
Static converter model	GW60K-SMT-G20	--	--	--
Input DC (photovoltaic)				
MPP voltage range [V]	160-1000	--	--	--
Max. input voltage [V]	1100	--	--	--
Max. input current per MPPT [A]	42,0*4	--	--	--
Output AC				
Rated AC voltage [V]	230/400Vac, 3L/N/PE or 3L/PE, 50Hz	--	--	--
Max. output current [A]	95,7	--	--	--
Nom. converter output (P_{NINV}) [kW]	60	--	--	--
Max. apparent power [kVA]	66	--	--	--
Firmware version	V1.01.01			
Note	The settings of the product 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.			