

Certificate of compliance

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

Product: Photovoltaic inverter

Model(s): GW35K-SMT-L-G20,GW37.5K-SMT-L-G20,GW60K-SMT-G20

The certificate refers to the stated model(s) which passed the tests according to the applicable standard(s):

Applied rules and standards:

IEC 62109-1:2010, EN 62109-1:2010, DIN EN 62109-1:2011

Safety of power converters for use in photovoltaic power systems – Part 1: General requirements

IEC 62109-2:2011, EN 62109-2:2011, DIN EN 62109-2:2012

Safety of power converters for use in photovoltaic power systems - Part 2: Particular requirements for inverters

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: CJIW-ESH-P25030277-1,
CJIW-ESH-P25030277-2

Certification Program:

NSOP-0038-DEU-ZE-V02

Certificate number: U25-0641

Date of issue:

2025-07-10

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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Type Approval and declaration of compliance with the requirements of IEC 62109-1:2010, EN 62109-1:2010, DIN EN 62109-1:2011 and IEC 62109-2:2011, EN 62109-2:2011, DIN EN 62109-2:2012

Manufacturer / applicant	GoodWe Technologies Co., Ltd. No.90, ZiJin Rd., New District, Suzhou, 215011 China			
Product type	Photovoltaic inverter			
Static converter model	GW35K-SMT-L-G20	GW37.5K-SMT-L-G20	GW60K-SMT-G20	--
Input (PV DC)				
MPP voltage range [V]	280-650	280-650	500-860	--
Max. input voltage [V]	900	900	1100	--
Max. input current [A]	42/42/42/42	42/42/42/42	42/42/42/42	--
Output (AC)				
Rated AC voltage [V]	127/220, 3L/N/PE or 3L/PE, 50/60Hz	127/220, 3L/N/PE or 3L/PE, 50/60Hz	220/380, 230/400, 3L/N/PE or 3L/PE 50/60Hz	--
Max. output current [A]	101	98,4	100	--
Nom. converter output (P _{NINV}) [kW]	35	37,5	60	--
Rated apparent power [kVA]	38,5	37,5	66	--
Firmware version	V1.01.01			

Description of the structure of the power generation unit:

The power generation unit is equipped with a DC and line-side EMC filter. The power generation unit has no galvanic isolation between DC input and AC output. Output switch-off is performed with single-fault tolerance based on the inverter bridge and two series-connected relays in each line and neutral. This enables a safe disconnection of the power generation unit from the network in case of error.