

CERTIFICATE OF CONFORMITY

Issued to: GoodWe Technologies Co., Ltd.
No. 90 Zijin Rd., New District, Suzhou, 215011, China.

For the product: Hybrid Inverter

Trade name: **GOODWE**

Type/Model: GW5K-ET-L-G10, GW6K-ET-L-G10, GW8K-ET-L-G10, GW10K-ET-L-G10, GW12K-ET-L-G10, GW15K-ET-L-G10, GW20K-ET-L-G10

Ratings: See Annex

Manufactured by: GoodWe Technologies Co., Ltd.
No. 90 Zijin Rd., New District, Suzhou, 215011, China.

Requirements: IEC 61683:1999,
EN 50530:2010+A1:2013,
IEC 62891:2020,
IEC 60068-2-1:2007,
IEC 60068-2-2:2007,
IEC 60068-2-14:2023,
IEC 60068-2-30:2005,
IEC 60068-2-64:2008+A1:2019

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6210826.50A, no. 6210826.50B, no. 6210826.51, no. 6224862.50.

The examination has been carried out on one single specimen of the product. The Attestation does not include an assessment of the manufacturer's production. Conformity of this production with the specimen tested by DEKRA is not the responsibility of DEKRA.

This Test Certificate expires at the latest on 2030-06-30 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 2025-06-30

Certificate Number: 6210826.01COC V1.1

DEKRA Testing and Certification (Shanghai) Ltd.


Kreny Lin
Certification Manager

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ESA-CER-F021 v4.1

PCA-141

Ratings of the test product:

Model	GW5K-ET-L-G10	GW6K-ET-L-G10	GW8K-ET-L-G10	GW10K-ET-L-G10	GW12K-ET-L-G10	GW15K-ET-L-G10	GW20K-ET-L-G10
Battery input							
Max. dc Voltage (Vdc)	60	60	60	60	60	60	60
Max. input current (A)	125	135	175	220	250	165/165	208/208
Max Charge Power (W)	5000	6000	8000	10000	12000	15000	20000
Max Discharge Power (W)	5500	6600	8800	11000	13200	16500	22000
Operating voltage range (Vdc)	40-60	40-60	40-60	40-60	40-60	40-60	40-60
Strings number of battery input	1	1	1	1	1	2	2
PV input							
Vmax PV (Vdc) (absolute Max.)	1000	1000	1000	1000	1000	1000	1000
Isc PV (absolute Max.) (A)	26/26	26/26	26/26	26/26/26	26/26/26	26/26/26/26	26/26/26/26
Max. input current (A)	20/20	20/20	20/20	20/20/20	20/20/20	20/20/20/20	20/20/20/20
Max. input power (W)	10000	12000	16000	20000	24000	30000	40000
MPPT voltage range (Vdc)	150-850	150-850	150-850	150-850	150-850	150-850	150-850
Strings number of MPPT	2	2	2	3	3	4	4
AC grid (output)							
Nominal output voltage (Vac)	400/380, 3L/N/PE						
Frequency (Hz)	50/60						
Nominal output current (A)	7.5	9.1	12.1	15.2	18.2	22.7	30.3
Max. output current (A)	7.9 @230Vac	9.6 @230Vac	12.8 @230Vac	15.9 @230Vac	19.1 @230Vac	23.9 @230Vac	31.9 @230Vac
	8.3 @220Vac	10.0 @220Vac	13.4 @220Vac	16.7 @220Vac	20.0 @220Vac	25.0 @220Vac	33.3 @220Vac

Nominal active power (W)	5000	6000	8000	10000	12000	15000	20000
Nominal apparent power (VA)	5000	6000	8000	10000	12000	15000	20000
Max. apparent Power (VA)	5500	6600	8800	11000	13200	16500	22000
Power factor (adjustable)	~1 (From 0.8 lagging to 0.8 leading)						
AC off-grid (output)							
Nominal output voltage (Vac)	400/380, 3L/N/PE						
Frequency (Hz)	50/60						
Nominal output current (A)	7.2 @230Vac	8.7 @230Vac	11.6 @230Vac	14.5 @230Vac	17.4 @230Vac	21.7 @230Vac	29.0 @230Vac
	7.5 @220Vac	9.1 @220Vac	12.1 @220Vac	15.2 @220Vac	18.2 @220Vac	22.7 @220Vac	30.3 @220Vac
Max. output current (A)	8.3	10	13.3	16.7	20	25	33.3
Nominal active power (W)	5000	6000	8000	10000	12000	15000	20000
Nominal apparent power (VA)	5000	6000	8000	10000	12000	15000	20000
Max. apparent Power (VA)	5500	6600	8800	11000	13200	16500	22000
Power factor (adjustable)	~1 (From 0.8 lagging to 0.8 leading)						
Others							
Protective class	I						
Ingress protection (IP)	IP66						
Operating temperature (°C)	-35~+60						
Inverter isolation	Non-isolated						
Overvoltage category	DC II / AC III						

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