

# CERTIFICATE OF CONFORMITY



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

For the product: Off-Grid Inverter

Trade name: **GOODWE**

Type/Model: GW3K-EO-G20, GW3.6K-EO-G20, GW5K-EO-G20, GW6K-EO-G20

Ratings: See next page

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

Requirements: IEC 62109-1:2010, EN 62109-1:2010  
IEC 62109-2:2011, EN 62109-2:2011

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6248158.50 (A-B).

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 6 March 2031 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 6 March 2026

Number: 6248158.01COC

DEKRA Testing and Certification (Shanghai) Ltd.

Kreny Lin  
Certification Manager



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PCA-141

Model	GW3K-EO-G20	GW3.6K-EO-G20	GW5K-EO-G20	GW6K-EO-G20
<b>Battery Data</b>				
Battery Voltage Range (Vdc)	40-60	40-60	40-60	40-60
Max. Continuous Charging Current (A)	70	90	120	130
Max. Continuous Discharging Current (A)	70	90	120	130
<b>PV Input Data</b>				
Max. Input Voltage (Vdc)	530	530	530	530
MPPT Operating Voltage Range (Vdc)	50-480	50-480	50-480	50-480
Max. Input Current per MPPT (A)	21	21	21/21	21/21
Max. Short Circuit Current per MPPT (A)	26	26	26/26	26/26
<b>On-grid input</b>				
Rated Apparent Power from Grid (VA)	3000	3600	5000	6000
Max Apparent Power from Grid (VA)	8000	8000	8000	8000
Nominal	220/230,	220/230, L/N/PE	220/230,	220/230,

Voltage (Vac)	L/N/PE		L/N/PE	L/N/PE
Nominal Frequency (Hz)	50/60	50/60	50/60	50/60
Rated Current from Grid (A)	13,7 (220Vac) 13,1 (230Vac)	16,4 (220Vac) 15,7 (230Vac)	22,8 (220Vac) 21,8 (230Vac)	27,3 (220Vac) 26,1 (230Vac)
Max Current from Grid (A)	35	35	35	35
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
<b>Back-up</b>				
Nominal Output Voltage (Vac)	220/230, L/N/PE	220/230, L/N/PE	220/230, L/N/PE	220/230, L/N/PE
Nominal Frequency (Hz)	50/60	50/60	50/60	50/60
Rated output Current (A)	13,7 (220Vac) 13,1 (230Vac)	16,4 (220Vac) 15,7 (230Vac)	22,8 (220Vac) 21,8 (230Vac)	27,3 (220Vac) 26,1 (230Vac)
Max. output Current (A)	15 (off grid) 35 (on grid)	18 (off grid) 35 (on grid)	25 (off grid) 35 (on grid)	30 (off grid) 35 (on grid)
Max. output Apparent Power (VA)	3300 (off grid) 8000 (on grid)	4000 (off grid) 8000 (on grid)	5500 (off grid) 8000 (on grid)	6600 (off grid) 8000 (on grid)
<b>Smart (Generator)</b>				
Max. input? current (A)	35	35	35	35
Max. input? Apparent Power (VA)	8000	8000	8000	8000
Nominal Input Voltage (Vac)	220/230	220/230	220/230	220/230
Nominal Frequency (Hz)	50/60	50/60	50/60	50/60
<b>General</b>				

Operating Temperature Range (°C)	-35~+60	-35~+60	-35~+60	-35~+60
Weight (kg)	13	13	13	13
Relative Humidity	0~95%	0~95%	0~95%	0~95%
Max. Operating Altitude (m)	3000	3000	3000	3000
Ingress Protection Rating	IP66	IP66	IP66	IP66
Overvoltage Category	DC II / AC III	DC II / AC III	DC II / AC III	DC II / AC III
Protective Class	I	I	I	I
Mounting Method	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted