

# CERTIFICATE OF CONFORMITY



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

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

Requirements: IEC 62116:2014

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6248160.50.

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 2031-03-11 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 2026-03-11

Certificate Number: 6248160.01COC

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	GW3K-EO-G20	GW3.6K-EO-G20	GW5K-EO-G20	GW6K-EO-G20
<b>Battery Data</b>				
Battery Voltage Range (Vdc)	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			
MPPT Operating Voltage Range (Vdc)	50-480			
Max. Input Current per MPPT (A)	21		21/21	
Max. Short Circuit Current per MPPT (A)	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			
Nominal Voltage (Vac)	220/230, L/N/PE			
Nominal Frequency (Hz)	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			
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			
Nominal Frequency (Hz)	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)

**Annex to 6248160.01COC**

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</b>				
Max. input current (A)	35			
Max. input Apparent Power (VA)	8000			
Nominal Input Voltage (Vac)	220/230			
Nominal Frequency (Hz)	50/60			
<b>General</b>				
Operating Temperature Range (°C)	-35~+60			
Weight (kg)	13			
Relative Humidity	0~95%			
Max. Operating Altitude (m)	3000			
Ingress Protection Rating	IP66			
Overvoltage Category	DC II / AC III			
Protective Class	I			
Mounting Method	Wall Mounted			

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