

CERTIFICATE OF CONFORMITY



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

For the product: Hybrid & AC-Coupled Inverter

Trade name: **GOODWE**

Type/Model: GW3K-EHA-G20, GW3.6K-EHA-G20, GW5K-EHA-G20, GW6K-EHA-G20, GW8K-EHA-G20, GW9.999K-EHA-G20, GW10K-EHA-G20
GW3K-BHA-G20, GW3.6K-BHA-G20, GW5K-BHA-G20, GW6K-BHA-G20, GW8K-BHA-G20, GW9.999K-BHA-G20, GW10K-BHA-G20

Ratings: See Annex

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

Requirements: IEC 61727:2004

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6267459.50.

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 2031-04-24 or expires upon withdrawal of one of the above mentioned standards.

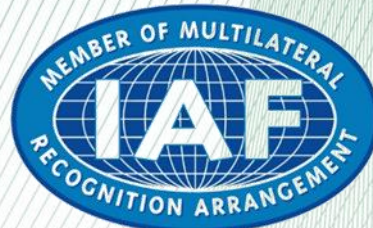
Shanghai, 2026-04-24

Certificate Number: 6267459.01COC

DEKRA Testing and Certification (Shanghai) Ltd.

Kreny Lin
Certification Manager

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ESA-CER-F021 v4.1

PCA-141

MODELS LIST		GW3K-EHA-G20	GW3.6K-EHA-G20	GW5K-EHA-G20	GW6K-EHA-G20	GW8K-EHA-G20	GW9.999K-EHA-G20	GW10K-EHA-G20
PV INPUT	V _{MAX} PV [Vdc]	600						
	MPP Voltage Range V _{MPP} [Vdc]	40-560						
	MPP Voltage Range for Full power [Vdc]	150-500	150-500	170-500	210-500	170-500	190-500	190-500
	Nominal PV Voltage V _{nom} [Vdc]	400						
	Start PV Voltage [Vdc]	50						
	I _{sc} PV [A]	26*2	26*2	26*2	26*2	26*4	26*4	26*4
	Max. Input Current I _{max} [A]	20*2	20*2	20*2	20*2	20*4	20*4	20*4
	Backfeed Current [A]	0						
	Overvoltage Category (OVC)	OVC II						
Battery INPUT	V _{MAX} BAT [Vdc]	550						
	Voltage Range [Vdc]	350-550						
	Start Voltage [Vdc]	380						
	Max. Charge Current [A]	11.9	14.3	19.8	23.7	31.6	35.6	35.6
	Max. Discharge Current [A]	8.7	10.5	14.5	17.4	23.2	29.0	29.0
	Overvoltage Category (OVC)	OVC II						
AC OUTPUT	Rated Output Voltage U _r [Vac]	220/230/240, L/N/PE						
	Rated Output Frequency F _{NETZ} [Hz]	50/60						
	Normal Operating Frequency Range F _n [Hz]	45-55 / 55-65						
	Rated Output Power P _E [kW]	3.0	3.6	5.0	6.0	8.0	9.999	10.0
	Max. Output Power P _{Emax} [kVA]	3.0	3.6	5.0	6.0	8.0	9.999	10.0
	Rated Output Current/ Max. Output Current [A]	13.7 @220V 13.1 @230V 12.5 @240V	16.4 @220V 15.7 @230V 15 @240V	22.8 @220V 21.8 @230V 20.9 @240V	27.3 @220V 26.1 @230V 25 @240V	36.4 @220V 34.8 @230V 33.4 @240V	43.5 @220V 43.5 @230V 41.7 @240V	43.5 @220V 43.5 @230V 41.7 @240V
	Power Factor cosφ [λ]	[-0.80. 0.80]						
	Overvoltage Category (OVC)	OVC III						

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Back up	Max. Apparent power $S_{E_{max}}$ [KVA]	3.0	3.6	5.0	6.0	8.0	10.0	10.0
	Nominal Output Apparent Power [KVA]	3.0	3.6	5.0	6.0	8.0	10.0	10.0
	Max. Apparent power $S_{E_{max}}$ (Bypass) [KVA]	6	7.2	10	12	14.5	14.5	14.5
	Nominal Output Current / Max. Output Current [A]	13.7 @220V	16.4 @220V	22.8 @220V	27.3 @220V	36.4 @220V	43.5 @220V	43.5 @220V
		13.1 @230V	15.7 @230V	21.8 @230V	26.1 @230V	34.8 @230V	43.5 @230V	43.5 @230V
		12.5 @240V	15 @240V	20.9 @240V	25 @240V	33.4 @240V	41.7 @240V	41.7 @240V
	Max. Output Current (Bypass) [A]	27.3	32.8	45.5	50	63	63	63
	Rated Output Voltage U_r [Vac]	220/230/240, L/N/PE						
Rated Output Frequency F_{NETZ} [Hz]	50/60							
SYSTEM	Protective Class	I						
	Enclosure Protection (IP)	IP66						
	Operating Temperature Range [°C]	-35 to +60 (>40 derating)						
	Pollution degree (PD)	External PD3/Internal PD 2						
	Altitude [m]	Max. 4000						
	Weight [kg]	24	24	24	24	26	26	26
	Size [mm] (W*H*D mm)	800*300*270						
	Type of inverter	Transformerless						
	Firmware version	010101						
Note: N/A								

MODELS LIST		GW3K-BHA-G20	GW3.6K-BHA-G20	GW5K-BHA-G20	GW6K-BHA-G20	GW8K-BHA-G20	GW9.999K-BHA-G20	GW10K-BHA-G20
Battery INPUT	V _{MAX} BAT [Vdc]	550						
	Voltage Range [Vdc]	350-550						
	Start Voltage [Vdc]	380						
	Max. Charge Current [A]	7.9	9.6	13.2	15.8	21.1	26.4	26.4
	Max. Discharge Current [A]	8.7	10.5	14.5	17.4	23.2	29.0	29.0
	Overvoltage Category (OVC)	OVC II						
AC OUTPUT	Rated Output Voltage Ur [Vac]	220/230/240, L/N/PE						
	Rated Output Frequency F _{NETZ} [Hz]	50/60						
	Normal Operating Frequency Range F _n [Hz]	45-55 / 55-65						
	Rated Output Power P _E [kW]	3.0	3.6	5.0	6.0	8.0	9.999	10.0
	Max. Output Power P _{Emax} [kVA]	3.0	3.6	5.0	6.0	8.0	9.999	10.0
	Rated Output Current / Max. Output Current [A]	13.7 @220V 13.1 @230V 12.5 @240V	16.4 @220V 15.7 @230V 15 @240V	22.8 @220V 21.8 @230V 20.9 @240V	27.3 @220V 26.1 @230V 25 @240V	36.4 @220V 34.8 @230V 33.4 @240V	43.5 @220V 43.5 @230V 41.7 @240V	43.5 @220V 43.5 @230V 41.7 @240V
	Power Factor cosφ [λ]	[-0.80. 0.80]						
Overvoltage Category (OVC)	OVC III							
Back up	Max. Apparent power S _{Emax} [KVA]	3.0	3.6	5.0	6.0	8.0	10.0	10.0
	Nominal Output Apparent Power [KVA]	3.0	3.6	5.0	6.0	8.0	10.0	10.0
	Max. Apparent power S _{Emax} (Bypass) [KVA]	6	7.2	10	12	14.5	14.5	14.5
	Nominal Output Current / Max. Output Current [A]	13.7 @220V 13.1 @230V 12.5 @240V	16.4 @220V 15.7 @230V 15 @240V	22.8 @220V 21.8 @230V 20.9 @240V	27.3 @220V 26.1 @230V 25 @240V	36.4 @220V 34.8 @230V 33.4 @240V	43.5 @220V 43.5 @230V 41.7 @240V	43.5 @220V 43.5 @230V 41.7 @240V
	Max. Output Current (Bypass) [A]	27.3	32.8	45.5	50	63	63	63
	Rated Output Voltage Ur [Vac]	220/230/240, L/N/PE						
	Rated Output Frequency F _{NETZ} [Hz]	50/60						

Annex to 6267459.01COC

SYSTEM	Protective Class	I						
	Enclosure Protection (IP)	IP66						
	Operating Temperature Range [°C]	-35 to +60 (>40 derating)						
	Pollution degree (PD)	External PD3/Internal PD 2						
	Altitude [m]	Max. 4000						
	Weight [kg]	16.9	16.9	16.9	16.9	17.7	17.7	17.7
	Size [mm] (W*H*D mm)	800*300*270						
	Type of inverter	Transformerless						
	Firmware version	010101						
	Note: N/A							

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