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:	GW5K-BTA-G20, GW6K-BTA-G20, GW8K-BTA-G20, GW9.999K-BTA-G20, GW10K-BTA-G20, GW12K-BTA-G20, GW15K-BTA-G20, GW20K-BTA-G20, GW25K-BTA-G20, GW29.999K-BTA-G20, GW30K-BTA-G20 GW5K-ETA-G20, GW6K-ETA-G20, GW8K-ETA-G20, GW9.999K-ETA-G20, GW10K-ETA-G20, GW12K-ETA-G20, GW15K-ETA-G20, GW20K-ETA-G20, GW25K-ETA-G20, GW29.999K-ETA-G20, GW30K-ETA-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. 6267460.50

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: 6267460.01COC

DEKRA Testing and Certification (Shanghai) Ltd.

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Certification Manager

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Annex to 6267460.01COC

MODELS LIST		GW5K-BTA-G20	GW6K-BTA-G20	GW8K-BTA-G20	GW9.999K-BTA-G20	GW10K-BTA-G20	GW12K-BTA-G20
Battery INPUT	Battery Type	Li-Ion					
	V_{MAX} BAT [Vdc]	950					
	Voltage Range [Vdc]	700-950					
	Start Voltage [Vdc]	720					
	Max. Charge Current [Adc]	6.7	8.1	10.7	13.4	13.4	16.1
	Max. Discharge Current [Adc]	7.4	8.9	11.8	14.7	14.7	17.7
	Overvoltage Category (OVC)	OVC II					
AC OUTPUT	Rated Output Voltage Ur [Vac]	220/380, 230/400, 3L/N/PE					
	Rated Output Frequency F_{NETZ} [Hz]	50/60					
	Rated Operating Frequency Range F_n [Hz]	45-55 / 55-65					
	Rated Output Power P_E [kW]	5	6	8	9.999	10	12
	Rated Apparent Power to Grid [kVA]	5	6	8	9.999	10	12
	Rated Apparent Power from Grid [kVA]	5	6	8	9.999	10	12
	Max. Apparent Power to Grid [kVA]	5	6	8	9.999	10	12
	Max. Apparent Power from Grid [kVA]	43.5	43.5	43.5	43.5	43.5	43.5
	Rated Current to Grid [Aac]	7.6@380V 7.3@400V	9.1@380V 8.7@400V	12.2@380V 11.6@400V	15.2@380V 14.5@400V	15.2@380V 14.5@400V	18.2@380V 17.4@400V
	Rated Current from Grid [Aac]	7.6@380V 7.3@400V	9.1@380V 8.7@400V	12.2@380V 11.6@400V	15.2@380V 14.5@400V	15.2@380V 14.5@400V	18.2@380V 17.4@400V
	Max. Current to Grid [Aac]	7.6@380V 7.3@400V	9.1@380V 8.7@400V	12.2@380V 11.6@400V	15.2@380V 14.5@400V	15.2@380V 14.5@400V	18.2@380V 17.4@400V

	Max. Current from Grid [Aac]	63.0	63.0	63.0	63.0	63.0	63.0
	Power Factor cosφ [λ]	[-0.80. 0.80]					
	Overvoltage Category (OVC)	OVC III					
Back up	Rated Output Voltage Ur [Vac]	220/380, 230/400, 3L/N/PE					
	Rated Output Frequency F_{NETZ} [Hz]	50/60					
	Normal Operating Frequency Range F_n [Hz]	45-55 / 55-65					
	Rated Output Apparent Power [kVA]	5	6	8	10	10	12
	Max. Output Apparent Power* [kVA]	off-grid: 5.5 on-grid: 43.5	off-grid: 6.6 on-grid: 43.5	off-grid: 8.8 on-grid: 43.5	off-grid:11 on-grid: 43.5	off-grid: 11 on-grid: 43.5	off-grid: 13.2 on-grid: 43.5
	Rated Output Current [Aac]	7.6@380V 7.3@400V	9.1@380V 8.7@400V	12.2@380V 11.6@400V	15.2@380V 14.5@400V	15.2@380V 14.5@400V	18.2@380V 17.4@400V
	Max. Output Current* [Aac]	off-grid: 11.4 on-grid: 63	off-grid: 13.7 on-grid:63	off-grid: 18.2 on-grid: 63	off-grid: 22.8 on-grid:63	off-grid: 22.8 on-grid: 63	off-grid: 27.3 on-grid: 63
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					
	Max. Operating Altitude [m]	Max. 4000					
	Weight [kg]	30	30	30	30	30	30
	Size [mm] (W*H*D mm)	800*340*270					
	Type of inverter	Non-isolated					
	Firmware version	010101					
Note: *: "off-grid" means the energy of backup output only comes from battery. "on-grid" means the energy of the backup output includes the energy from grid or generator (on-grid port, connected via an ATS switch) side.							

MODELS LIST		GW15K-BTA-G20	GW20K-BTA-G20	GW25K-BTA-G20	GW29.999K-BTA-G20	GW30K-BTA-G20
Battery INPUT	Battery Type	Li-Ion				
	V_{MAX} BAT [Vdc]	950				
	Voltage Range [Vdc]	700-950				
	Start Voltage [Vdc]	720				
	Max. Charge Current [Adc]	20.1	26.7	33.3	40.0	40.0
	Max. Discharge Current [Adc]	22.1	29.4	36.7	44.1	44.1
	Overvoltage Category (OVC)	OVC II				
AC OUTPUT	Rated Output Voltage Ur [Vac]	220/380, 230/400, 3L/N/PE				
	Rated Output Frequency F_{NETZ} [Hz]	50/60				
	Rated Operating Frequency Range F_n [Hz]	45-55 / 55-65				
	Rated Output Power P_E [kW]	15	20	25	29.999	30
	Rated Apparent Power to Grid [kVA]	15	20	25	29.999	30
	Rated Apparent Power from Grid [kVA]	15	20	25	29.999	30
	Max. Apparent Power to Grid [kVA]	15	20	25	29.999	30
	Max. Apparent Power from Grid [kVA]	43.5	43.5	55.2	55.2	55.2
	Rated Current to Grid [Aac]	22.8@380V 21.8@400V	30.4@380V 29.0@400V	37.9@380V 36.3@400V	45.5@380V 43.5@400V	45.5@380V 43.5@400V
	Rated Current from Grid [Aac]	22.8@380V 21.8@400V	30.4@380V 29.0@400V	37.9@380V 36.3@400V	45.5@380V 43.5@400V	45.5@380V 43.5@400V
	Max. Current to Grid [Aac]	22.8@380V 21.8@400V	30.4@380V 29.0@400V	37.9@380V 36.3@400V	45.5@380V 43.5@400V	45.5@380V 43.5@400V
	Max. Current from Grid [Aac]	63.0	63.0	80.0	80.0	80.0

	Power Factor cosφ [λ]	[-0.80. 0.80]				
	Overvoltage Category (OVC)	OVC III				
Back up	Rated Output Voltage Ur [Vac]	220/380, 230/400, 3L/N/PE				
	Rated Output Frequency F_{NETZ} [Hz]	50/60				
	Normal Operating Frequency Range F_n [Hz]	45-55 / 55-65				
	Rated Output Apparent Power [kVA]	15	20	25	30	30
	Max. Output Apparent Power* [kVA]	off-grid:16.5 on-grid: 43.5	off-grid: 22 on-grid:43.5	off-grid: 27.5 on-grid:55.2	off-grid: 33 on-grid: 55.2	off-grid: 33 on-grid:55.2
	Rated Output Current [Aac]	22.8@380V 21.8@400V	30.4@380V 29.0@400V	37.9@380V 36.3@400V	45.5@380V 43.5@400V	45.5@380V 43.5@400V
	Max. Output Current* [Aac]	off-grid: 33.4 on-grid: 63	off-grid: 33.4 on-grid: 63	off-grid: 50.0 on-grid: 80	off-grid: 50.0 on-grid: 80	off-grid: 50.0 on-grid: 80
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				
	Max. Operating Altitude [m]	Max. 4000				
	Weight [kg]	30	30	32	32	32
	Size [mm] (W*H*D mm)	800*340*270				
	Type of inverter	Non-isolated				
	Firmware version	010101				
Note: *: "off-grid" means the energy of backup output only comes from battery. "on-grid" means the energy of the backup output includes the energy from grid or generator (on-grid port, connected via an ATS switch) side.						

MODELS LIST		GW5K-ETA-G20	GW6K-ETA-G20	GW8K-ETA-G20	GW9.999K-ETA-G20	GW10K-ETA-G20	GW12K-ETA-G20
PV INPUT	V_{MAX} PV [Vdc]	1000					
	MPP Voltage Range V_{MPP} [Vdc]	120-950					
	MPP Voltage Range for Full power [Vdc]	185-850	225-850	300-850	250-850	250-850	300-850
	Nominal PV Voltage V_{nom} [Vdc]	750					
	Start PV Voltage [Vdc]	150					
	I_{SC} PV [Adc]	26/26/26	26/26/26	26/26/26	26/26/26/26	26/26/26/26	26/26/26/26
	Max. Input Current Imax [Adc]	21/21/21	21/21/21	21/21/21	21/21/21/21	21/21/21/21	21/21/21/21
	Backfeed Current [Adc]	0					
	Overvoltage Category (OVC)	OVC II					
Battery INPUT	Battery Type	Li-Ion					
	V_{MAX} BAT [Vdc]	950					
	Voltage Range [Vdc]	700-950					
	Start Voltage [Vdc]	720					
	Max. Charge Current [Adc]	6.7	8.1	10.7	13.4	13.4	16.1
	Max. Discharge Current [Adc]	7.4	8.9	11.8	14.7	14.7	17.7
	Overvoltage Category (OVC)	OVC II					
AC OUTPUT	Rated Output Voltage Ur [Vac]	220/380, 230/400, 3L/N/PE					
	Rated Output Frequency F_{NETZ} [Hz]	50/60					
	Rated Operating Frequency Range F_n [Hz]	45-55 / 55-65					

	Rated Output Power P_E [kW]	5	6	8	9.999	10	12
	Rated Apparent Power to Grid [kVA]	5	6	8	9.999	10	12
	Rated Apparent Power from Grid [kVA]	5	6	8	9.999	10	12
	Max. Apparent Power to Grid [kVA]	5	6	8	9.999	10	12
	Max. Apparent Power from Grid [kVA]	43.5	43.5	43.5	43.5	43.5	43.5
	Rated Current to Grid [Aac]	7.6@380V 7.3@400V	9.1@380V 8.7@400V	12.2@380V 11.6@400V	15.2@380V 14.5@400V	15.2@380V 14.5@400V	18.2@380V 17.4@400V
	Rated Current from Grid [Aac]	7.6@380V 7.3@400V	9.1@380V 8.7@400V	12.2@380V 11.6@400V	15.2@380V 14.5@400V	15.2@380V 14.5@400V	18.2@380V 17.4@400V
	Max. Current to Grid [Aac]	7.6@380V 7.3@400V	9.1@380V 8.7@400V	12.2@380V 11.6@400V	15.2@380V 14.5@400V	15.2@380V 14.5@400V	18.2@380V 17.4@400V
	Max. Current from Grid [Aac]	63.0	63.0	63.0	63.0	63.0	63.0
	Power Factor cosφ [λ]	[-0.80. 0.80]					
	Overvoltage Category (OVC)	OVC III					
Back up	Rated Output Voltage Ur [Vac]	220/380, 230/400, 3L/N/PE					
	Rated Output Frequency F_{NETZ} [Hz]	50/60					
	Normal Operating Frequency Range F_n [Hz]	45-55 / 55-65					
	Rated Output Apparent Power [kVA]	5	6	8	10	10	12
	Max. Output Apparent Power* [kVA]	off-grid: 5.5 on-grid:43.5	off-grid: 6.6 on-grid:43.5	off-grid: 8.8 on-grid: 43.5	off-grid:11 on-grid: 43.5	off-grid: 11 on-grid: 43.5	off-grid: 13.2 on-grid: 43.5
	Rated Output Current [Aac]	7.6@380V 7.3@400V	9.1@380V 8.7@400V	12.2@380V 11.6@400V	15.2@380V 14.5@400V	15.2@380V 14.5@400V	18.2@380V 17.4@400V

	Max. Output Current* [Aac]	off-grid: 11.4 on-grid: 63	off-grid: 13.7 on-grid:63	off-grid: 18.2 on-grid: 63	off-grid: 22.8 on-grid:63	off-grid: 22.8 on-grid: 63	off-grid: 27.3 on-grid: 63
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					
	Max. Operating Altitude [m]	Max. 4000					
	Weight [kg]	34	34	34	34	34	34
	Size [mm] (W*H*D mm)	800*340*270					
	Type of inverter	Non-isolated					
	Firmware version	010101					

MODELS LIST		GW15K-ETA-G20	GW20K-ETA-G20	GW25K-ETA-G20	GW29.999K-ETA-G20	GW30K-ETA-G20
PV INPUT	V_{MAX} PV [Vdc]	1000				
	MPP Voltage Range V_{MPP} [Vdc]	120-950				
	MPP Voltage Range for Full power [Vdc]	360-850	400-850	400-850	450-850	450-850
	Nominal PV Voltage V_{nom} [Vdc]	750				
	Start PV Voltage [Vdc]	150				
	I_{SC} PV [Adc]	26/26/26/26	26/26/26/26	26/26/52/52	26/26/52/52	26/26/52/52
	Max. Input Current Imax [Adc]	21/21/21/21	21/21/21/21	21/21/42/42	21/21/42/42	21/21/42/42
	Backfeed Current [Adc]	0				
	Overvoltage Category (OVC)	OVC II				
Battery INPUT	Battery Type	Li-Ion				
	V_{MAX} BAT [Vdc]	950				
	Voltage Range [Vdc]	700-950				
	Start Voltage [Vdc]	720				
	Max. Charge Current [Adc]	20.1	26.7	33.3	40.0	40.0
	Max. Discharge Current [Adc]	22.1	29.4	36.7	44.1	44.1
	Overvoltage Category (OVC)	OVC II				
AC OUTPUT	Rated Output Voltage Ur [Vac]	220/380, 230/400, 3L/N/PE				
	Rated Output Frequency F_{NETZ} [Hz]	50/60				
	Rated Operating Frequency Range F_n [Hz]	45-55 / 55-65				

	Rated Output Power P_E [kW]	15	20	25	29.999	30
	Rated Apparent Power to Grid [kVA]	15	20	25	29.999	30
	Rated Apparent Power from Grid [kVA]	15	20	25	29.999	30
	Max. Apparent Power to Grid [kVA]	15	20	25	29.999	30
	Max. Apparent Power from Grid [kVA]	43.5	43.5	55.2	55.2	55.2
	Rated Current to Grid [Aac]	22.8@380V 21.8@400V	30.4@380V 29.0@400V	37.9@380V 36.3@400V	45.5@380V 43.5@400V	45.5@380V 43.5@400V
	Rated Current from Grid [Aac]	22.8@380V 21.8@400V	30.4@380V 29.0@400V	37.9@380V 36.3@400V	45.5@380V 43.5@400V	45.5@380V 43.5@400V
	Max. Current to Grid [Aac]	22.8@380V 21.8@400V	30.4@380V 29.0@400V	37.9@380V 36.3@400V	45.5@380V 43.5@400V	45.5@380V 43.5@400V
	Max. Current from Grid [Aac]	63.0	63.0	80.0	80.0	80.0
	Power Factor cosφ [λ]	[-0.80. 0.80]				
	Overvoltage Category (OVC)	OVC III				
Back up	Rated Output Voltage Ur [Vac]	220/380, 230/400, 3L/N/PE				
	Rated Output Frequency F_{NETZ} [Hz]	50/60				
	Normal Operating Frequency Range F_n [Hz]	45-55 / 55-65				
	Rated Output Apparent Power [kVA]	15	20	25	30	30
	Max. Output Apparent Power* [kVA]	off-grid:16.5 on-grid: 43.5	off-grid: 22 on-grid:43.5	off-grid: 27.5 on-grid:55.2	off-grid: 33 on-grid: 55.2	off-grid: 33 on-grid:55.2
	Rated Output Current [Aac]	22.8@380V 21.8@400V	30.4@380V 29.0@400V	37.9@380V 36.3@400V	45.5@380V 43.5@400V	45.5@380V 43.5@400V

	Max. Output Current* [Aac]	off-grid: 33.4 on-grid: 63	off-grid: 33.4 on-grid: 63	off-grid: 50.0 on-grid: 80	off-grid: 50.0 on-grid: 80	off-grid: 50.0 on-grid: 80
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				
	Max. Operating Altitude [m]	Max. 4000				
	Weight [kg]	34	34	38	38	38
	Size [mm] (W*H*D mm)	800*340*270				
	Type of inverter	Non-isolated				
	Firmware version	010101				

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