

CERTIFICATE OF CONFORMITY

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

For the product: Power Conversion system

Trade name: **GOODWE**

Type/Model: GW50K-ETR-L-G10, GW75K-ETR-L-G10, GW75K-ETR-G10,
GW80K-ETR-G10, GW99.99K-ETR-G10, GW100K-ETR-G10,
GW110K-ETR-G10, GW124.99K-ETR-G10, GW125K-ETR-G10
GW50K-GT-L-G30, GW75K-GT-L-G30, GW75K-GT-G30,
GW80K-GT-G30, GW99.99K-GT-G30, GW100K-GT-G30,
GW110K-GT-G30, GW124.99K-GT-G30, GW125K-GT-G30
GW50K-BTR-L-G10, GW75K-BTR-L-G10, GW75K-BTR-G10,
GW80K-BTR-G10, GW99.99K-BTR-G10, GW100K-BTR-G10,
GW110K-BTR-G10, GW124.99K-BTR-G10, GW125K-BTR-G10

Ratings: See Annex

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

Factory: Address 1: GoodWe (GuangDe) Power Supply Technology Co., Ltd.
No.208, Tong Rui East Road, Guangde, Anhui, P.R. China
Address 2: GoodWe Technologies Co., Ltd.
No.90 Zijin Rd., New District, Suzhou, 215011, P.R. China

Requirements: IEC 61727:2004
IEC 62116:2014

Type of product certification scheme: Type 1a (Type approval).

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6253081.51(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 2031-06-17 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 2026-06-17

Certificate Number: 6253081.02COC

DEKRA Testing and Certification (Shanghai) Ltd.

Kreny Lin
Certification Manager

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ESA-CER-F021 v5.0



PCA-141

Ratings of the test product:

Hybrid Inverter Model	GW50K-ETR-L-G10	GW75K-ETR-L-G10	GW75K-ETR-G10	GW80K-ETR-G10	GW99.99K-ETR-G10	GW100K-ETR-G10	GW110K-ETR-G10	GW124.99K-ETR-G10	GW125K-ETR-G10			
PV INPUT												
VMAX PV [Vdc]	850		1100									
ISC PV [A]	55*8	55*10	55*8		55*10							
MPP Voltage Range [Vdc]	160 to 800		160 to 1000									
Max. Input Current [A]	42*8	42*10	42*8		42*10							
MPP Full Power Voltage Range [Vdc]	300 to 600		500 to 850									
Start-up Voltage [Vdc]	200											
Backfeed Current [A]	0											
AC OUTPUT												
Rated Output Voltage [Vac]	127/220, 3L/N/PE		220/380, 230/400, 240/415, 3L/N/PE									
Rated Output Frequency [Hz]	50/60											
Rated Output Power [kW]	50	75	75	80	99.99	100	110	124.99	125			
Max. Apparent Power [kVA]	50	75	75	88	99.99	110	121	124.99	137.5			
Rated Output Current [A]	131.3	196.9	114.0	121.6	152.0	152.0	167.2	190.0	190.0			
			@380V	@380V	@380V	@380V	@380V	@380V	@380V			
			108.3	115.5	144.4	144.4	158.8	180.5	180.5			
			@400V	@400V	@400V	@400V	@400V	@400V	@400V			
			104.4	111.3	139.2	139.2	153.1	174.0	174.0			
Max. Output Current [A]	131.3	196.9	@415V	@415V	@415V	@415V	@415V	@415V	@415V			
			114.0	133.8	152.0	167.2	183.9	190.0	209.0			
			@380V	@380V	@380V	@380V	@380V	@380V	@380V			
			108.3	127.1	144.4	158.8	174.7	180.5	198.5			
			@400V	@400V	@400V	@400V	@400V	@400V	@400V			
Back up	50	75	75	88	99.99	110	121	124.99	137.5			
										Rated Output Voltage [Vac]	127/220, 3L/N/PE	220/380, 230/400, 240/415, 3L/N/PE
Battery INPUT												
VMAX BAT [Vdc]	700		1000									
Voltage Range [Vdc]	440 to 700		700 to 1000									
Start Voltage [Vdc]	440		700									
Max. Charge/Discharge Current [A]	113.6 /113.6	170.4 /170.4	107.1 /107.1	125.7 /125.7	142.8 /142.8	157.1 /157.1	172.8 /172.8	178.5 /178.5	180 /180			
Max. Charge/Discharge Power (kW)	50 /50	75 /75	75 /75	88 /88	99.99 /99.99	110 /110	121 /121	124.99 /124.99	137.5 /137.5			

General Information					
Overvoltage Category (OVC)	II(PV); III(AC)				
Type of inverter	Transformerless				
Protective Class	I				
Enclosure Protection (IP)	IP66				
Operating Temperature Range [°C]	-35 to +60 (>45 derating)				
Pollution degree (PD)	PD2(inside), PD3(outside)				
Altitude [m]	Up to 4000				
Size [mm]	995×758×358 (W*H*D)				
Weight [kg]	82	98	82	96	98

Grid-Tied PV Inverter Model	GW50K- GT-L- G30	GW75K- GT-L- G30	GW75K- GT-G30	GW80K- GT-G30	GW99.9 9K-GT- G30	GW100 K-GT- G30	GW110 K-GT- G30	GW124. 99K-GT- G30	GW125 K-GT- G30
PV INPUT									
VMAX PV [Vdc]	850		1100						
ISC PV [A]	55*6	55*10	55*6	55*6	55*8	55*8	55*8	55*10	55*10
MPP Voltage Range [Vdc]	160 to 800		160 to 1000						
Max. Input Current [A]	42*6	42*10	42*6	42*6	42*8	42*8	42*8	42*10	42*10
MPP Full Power Voltage Range [Vdc]	300 to 600		500 to 850						
Start-up Voltage [Vdc]	200								
Backfeed Current [A]	0								
AC OUTPUT									
Rated Output Voltage [Vac]	127/220, 3L/N/PE or 3L/PE		220/380, 230/400, 240/415, 277/480, 3L/N/PE or 3L/PE		220/380, 230/400, 240/415, 3L/N/PE or 3L/PE	220/380, 230/400, 240/415, 277/480, 3L/N/PE or 3L/PE		220/380, 230/400, 240/415, 3L/N/PE or 3L/PE	220/380, 230/400, 240/415, 277/480, 3L/N/PE or 3L/PE
Rated Output Frequency [Hz]	50/60								
Rated Output Power [kW]	50	75	75	80	99.99	100	110	124.99	125
Max. Apparent Power [kVA]	50	75	75	88	99.99	110	121	124.99	137.5
Rated Output Current [A]	131.3	196.9	114.0 @380V 108.3 @400V 104.4 @415V 90.3 @480V	121.6 @380V 115.5 @400V 111.3 @415V 96.3 @480V	152.0 @380V 144.4 @400V 139.2 @415V	152.0 @380V 144.4 @400V 139.2 @415V 120.4 @480V	167.2 @380V 158.8 @400V 153.1 @415V 132.4 @480V	190.0 @380V 180.5 @400V 174.0 @415V	190.0 @380V 180.5 @400V 174.0 @415V 150.5 @480V
Max. Output Current [A]	131.3	196.9	114.0 @380V 108.3 @400V 104.4 @415V 90.3 @480V	133.8 @380V 127.1 @400V 122.5 @415V 105.9 @480V	152.0 @380V 144.4 @400V 139.2 @415V	167.2 @380V 158.8 @400V 153.1 @415V 132.4 @480V	183.9 @380V 174.7 @400V 168.4 @415V 145.6 @480V	190.0 @380V 180.5 @400V 174.0 @415V	209.0 @380V 198.5 @400V 191.3 @415V 165.5 @480V
Power Factor	0.8lagging...0.8leading								
General Information									
Overvoltage Category	II(PV); III(AC)								
Type of inverter	Transformerless								
Protective Class	I								

Annex to 6253081.02COC

Enclosure Protection (IP)	IP66				
Operating Temperature Range [°C]	-35 to +60 (>45 derating)				
Pollution degree (PD)	PD2(inside), PD3(outside)				
Altitude [m]	Up to 4000				
Size [mm]	995×758×358 (W*H*D)				
Weight [kg]	77	94	77	82	94

AC-Coupled Inverter Model	GW50K-BTR-L-G10	GW75K-BTR-L-G10	GW75K-BTR-G10	GW80K-BTR-G10	GW99.9K-BTR-G10	GW100K-BTR-G10	GW110K-BTR-G10	GW124.99K-BTR-G10	GW125K-BTR-G10
Battery INPUT									
VMAX BAT [Vdc]	700		1000						
Voltage Range [Vdc]	440 to 700		700 to 1000						
Start Voltage [Vdc]	440		700						
Max. Charge/Discharge Current [A]	113.6 /113.6	170.4 /170.4	107.1 /107.1	125.7 /125.7	142.8 /142.8	157.1 /157.1	172.8 /172.8	178.5 /178.5	180 /180
Max. Charge/Discharge Power (kW)	50 /50	75 /75	75 /75	88 /88	99.99 /99.99	110 /110	121 /121	124.99 /124.99	137.5 /137.5
AC OUTPUT									
Rated Output Voltage [Vac]	127/220, 3L/N/PE		220/380, 230/400, 240/415, 3L/N/PE						
Rated Output Frequency [Hz]	50/60								
Rated Output Power [kW]	50	75	75	80	99.99	100	110	124.99	125
Max. Apparent Power [kVA]	50	75	75	88	99.99	110	121*1	124.99	137.5
Rated Output Current [A]	131.3	196.9	114.0 @380V 108.3 @400V 104.4 @415V	121.6 @380V 115.5 @400V 111.3 @415V	152.0 @380V 144.4 @400V 139.2 @415V	152.0 @380V 144.4 @400V 139.2 @415V	167.2 @380V 158.8 @400V 153.1 @415V	190.0 @380V 180.5 @400V 174.0 @415V	190.0 @380V 180.5 @400V 174.0 @415V
Max. Output Current [A]	131.3	196.9	114.0 @380V 108.3 @400V 104.4 @415V	133.8 @380V 127.1 @400V 122.5 @415V	152.0 @380V 144.4 @400V 139.2 @415V	167.2 @380V 158.8 @400V 153.1 @415V	183.9 @380V 174.7 @400V 168.4 @415V	190.0 @380V 180.5 @400V 174.0 @415V	209.0 @380V 198.5 @400V 191.3 @415V
Back up									
Max. Apparent power [kVA]	50	75	75	88	99.99	110	121	124.99	137.5
Rated Output Voltage [Vac]	127/220, 3L/N/PE		220/380, 230/400, 240/415, 3L/N/PE						
Max. Output Current [A]	131.3	196.9	114	133.8	152	167.2	183.9	190	209
Rated Output Frequency [Hz]	50/60								
General Information									
Overvoltage Category (OVC)	II(PV); III(AC)								
Type of inverter	Transformerless								
Protective Class	I								

Annex to 6253081.02COC

Enclosure Protection (IP)	IP66			
Operating Temperature Range [°C]	-35 to +60 (>45 derating)			
Pollution degree (PD)	PD2(inside), PD3(outside)			
Altitude [m]	Up to 4000			
Size [mm]	995×758×358 (W*H*D)			
Weight [kg]	61.5	71.5	61.5	71.5

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