Certificate

of Conformity

GoodWe Technologies Co., Ltd.
No.90 ZiJin Rd., New District, Suzhou, 215011,
P.R.China

Type of equipment	Hybrid Inverter	
Product Name/Model	GW20K-ET-L-G10, GW15K-ET-L-G10, GW12K-ET-L-G10, GW10K-ET-L-G10, GW8K-ET-L-G10, GW6K-ET-L-G10, GW5K-ET-L-G10	
Technical data	Detail see Annex 1 below	
Certification scheme	P30VA01 Rev. 09/11.24	TÜV NORD Certification Process for Grid Integration Certification
Network connection rule	EN 50549-1 2019+A1:2023	Requirements for generating plants to be connected in parallel with distribution networks Part 1: Connection to a LV distribution network — Generating plants up to and including Type B
Test requirement	EN 50549-10 2022	Requirements for generating plants to be connected in parallel with distribution networks - Part 10: Tests for conformity assessment of generating units

This certificate of conformity is based on the evaluation of samples of the product The power generating units complies with the requirements of the network connection rule specified above. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of TÜV NORD. For further details and technical specifications, please refer to Annex 1, which consists of 7 pages.

Certificate Registration No. 44 799 26 406749 - 309 valid from 2026-08-12
Evaluation Report No. 492014696.001 Type 1a Certificate

Essen, 2026-08-12
Rev. 1.0

Certification body of TÜV NORD CERT GmbH

TÜV NORD CERT GmbH
Am TÜV 1, 45307 Essen, Germany
www.tuev-nord-cert.com

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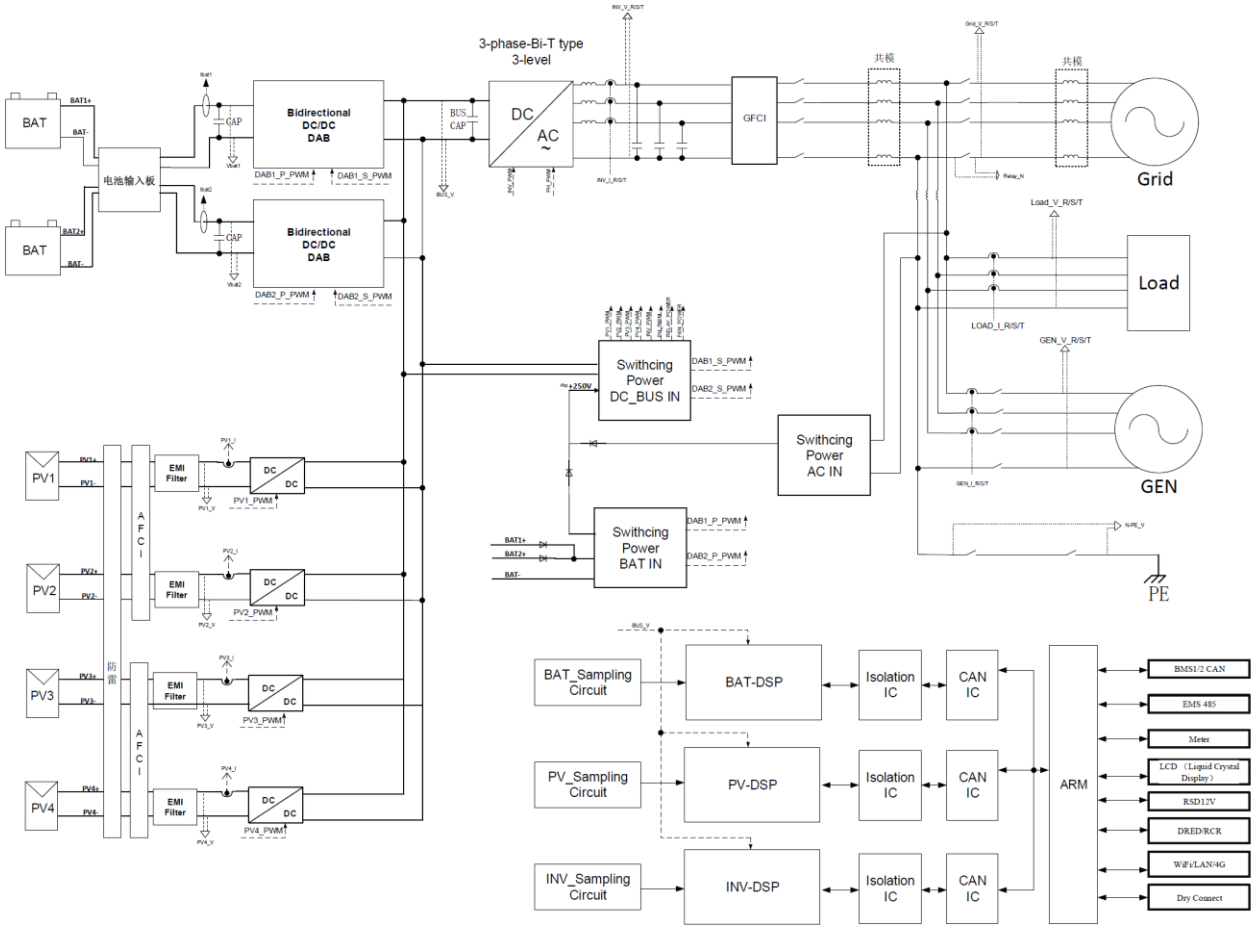
Scan the QR code or visit https://cis.tuv-nord.com.cn to verify the validity of the certificate

ANNEX 1

to the Certificate with the Registration No. 44 799 26 406749 - 309

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Schematic structure:



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to the Certificate with the Registration No. 44 799 26 406749 - 309

Technical data:

General			
Type of Generation unit	Hybrid Inverter		
Designation	GW5K-ET-L-G10	GW6K-ET-L-G10	GW8K-ET-L-G10
PV terminal			
Vmax [V d.c.]	1000		
MPP voltage range [V d.c.]	150~850		
Max. input current [A d.c.]	20/20		
Max. short circuit current [A d.c.]	26/26		
Battery terminal			
Battery Type	LFP(LiFEPO4)/Lead-acid		
Battery voltage range [V d.c.]	40~60		
Max. Charging/Discharging current [A d.c.]	125/125	135/135	175/175
AC terminal (On-grid)			
Rated voltage [V a.c.]	3L/N/PE 400		
Rated frequency [Hz]	50/60		
Normal Power [kW]	5	6	8
Normal Apparent Power to Grid [kVA]	5	6	8
Max. Apparent Power to Grid [kVA]	5.5	6.6	8.8
Max. Current to Grid [Aa.c.]	7.9	9.6	12.8
Normal Apparent Power from Grid [kVA]	5	6	8
Max. Apparent Power from Grid [kVA]	48.3		
Max. Current from Grid [Aa.c.]	70		
Power factor cosφ [λ]	~1(0.8 lagging to 0.8 leading)		
AC terminal (Back-up)			
Rated voltage [V a.c.]	3L/N/PE 400		
Normal Output Frequency [Hz]	50/60		

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ANNEX 1

to the Certificate with the Registration No. 44 799 26 406749 - 309

Normal Output Apparent Power [kVA]	5	6	8
Max. Output Apparent Power [kVA]	48.3(Bypass)		
Max. Output Current [Aa.c.]	70(Bypass)		
Power factor cosφ [λ]	~1(0.8 lagging to 0.8 leading)		
Generator			
Rated voltage [V a.c.]	3L/N/PE 400		
Rated frequency [Hz]	50/60		
Normal Output Apparent Power [kVA]	20		
Max. Output Apparent Power [kVA]	20		
Max. Output Current [Aa.c.]	30.3		
General data			
Software version	010101		

General			
Type of Generation unit	Hybrid Inverter		
Designation	GW10K-ET-L-G10	GW12K-ET-L-G10	GW15K-ET-L-G10
PV terminal			
Vmax [V d.c.]	1000		
MPP voltage range [V d.c.]	150~850		
Max. input current [A d.c.]	20/20/20		20/20/20/20
Max. short circuit current [A d.c.]	26/26/26		26/26/26/26
Battery terminal			
Battery Type	LFP($LiFEPO_4$)/Lead-acid		
Battery voltage range [V d.c.]	40~60		
Max. Charging/Discharging current [A d.c.]	220/220	250/250	165+165/165+165
AC terminal (On-grid)			
Rated voltage [V a.c.]	3L/N/PE 400		
Rated frequency [Hz]	50/60		

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ANNEX 1

to the Certificate with the Registration No. 44 799 26 406749 -309

Normal Power [kW]	10	12	15
Normal Apparent Power to Grid [kVA]	10	12	15
Max. Apparent Power to Grid [kVA]	11	13.2	16.5
Max. Current to Grid [Aa.c.]	15.9	19.1	23.9
Normal Apparent Power from Grid [kVA]	10	12	15
Max. Apparent Power from Grid [kVA]	48.3		
Max. Current from Grid [Aa.c.]	70		
Power factor cosφ [λ]	~1(0.8 lagging to 0.8 leading)		
AC terminal (Back-up)			
Rated voltage [V a.c.]	3L/N/PE 400		
Normal Output Frequency [Hz]	50/60		
Normal Output Apparent Power [kVA]	10	12	15
Max. Output Apparent Power [kVA]	48.3(Bypass)		
Max. Output Current [Aa.c.]	70(Bypass)		
Power factor cosφ [λ]	~1(0.8 lagging to 0.8 leading)		
Generator			
Rated voltage [V a.c.]	3L/N/PE 400		
Rated frequency [Hz]	50/60		
Normal Output Apparent Power [kVA]	20		
Max. Output Apparent Power [kVA]	20		
Max. Output Current [Aa.c.]	30.3		
General data			
Software version	010101		

General	
Type of Generation unit	Hybrid Inverter
Designation	GW20K-ET-L-G10
PV terminal	

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ANNEX 1

to the Certificate with the Registration No. 44 799 26 406749 - 309

Vmax [V d.c.]	1000
MPP voltage range [V d.c.]	150~850
Max. input current [A d.c.]	20/20/20/20
Max. short circuit current [A d.c.]	26/26/26/26
Battery terminal	
Battery Type	LFP($LiFEPO_4$)/Lead-acid
Battery voltage range [V d.c.]	40~60
Max. Charging/Discharging current [A d.c.]	208+208/208+208
AC terminal (On-grid)	
Rated voltage [V a.c.]	3L/N/PE 400
Rated frequency [Hz]	50/60
Normal Power [kW]	20
Normal Apparent Power to Grid [kVA]	20
Max. Apparent Power to Grid [kVA]	22
Max. Current to Grid [Aa.c.]	31.9
Normal Apparent Power from Grid [kVA]	20
Max. Apparent Power from Grid [kVA]	48.3
Max. Current from Grid [Aa.c.]	70
Power factor cosφ [λ]	~1(0.8 lagging to 0.8 leading)
AC terminal (Back-up)	
Rated voltage [V a.c.]	3L/N/PE 400
Normal Output Frequency [Hz]	50/60
Normal Output Apparent Power [kVA]	20
Max. Output Apparent Power [kVA]	48.3(Bypass)
Max. Output Current [Aa.c.]	70(Bypass)
Power factor cosφ [λ]	~1(0.8 lagging to 0.8 leading)
Generator	
Rated voltage [V a.c.]	3L/N/PE 400

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to the Certificate with the Registration No. 44 799 26 406749 - 309

Rated frequency [Hz]	50/60
Normal Output Apparent Power [kVA]	20
Max. Output Apparent Power [kVA]	20
Max. Output Current [Aa.c.]	30.3
General data	
Software version	010101

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Remarks	Additional technical data is given in the evaluation report (appendix A1). The use of a modified software version is permitted if the changes to the above-mentioned software versions have been checked by TÜV NORD CERT GmbH. The validity of a new software version is confirmed to the manufacturer in writing. This confirmation then forms part of the certificate.
Restriction	N/A
Appendix	A1. Evaluation report no. 492014696.001 version 1.0

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