

Compliance Document

No. D 083373 0059 Rev. 02

Holder of Certificate: **GoodWe Technologies Co., Ltd.**

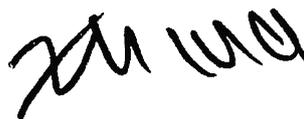
No. 90 Zijin Road
New District
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PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
Hybrid Inverter, AC-Coupled Inverter

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 704092001909-02

Date, 2024-01-18



(Zhengdong Ma)



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Model(s):

Hybrid Inverter type:

**GW3600-EH, GW5000-EH, GW5000-EH-BE,
GW6000-EH, GW3600N-EH, GW5000N-EH,
GW5000N-EH-BE, GW6000N-EH**

AC-Coupled Inverter type:

GW3K-BH, GW3600-BH, GW5000-BH, GW6000-BH

Parameters:

Please see pages 3 to 6.

**Tested
according to:**

EN 50549-1:2019

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Hybrid Inverter			
Model name	GW3600-EH	GW5000-EH	GW6000-EH
PV input parameters:			
V _{max} PV	580 Vd.c.		
I _{sc} PV	15.2/15.2 Ad.c.		
MPPT voltage range	100 - 550 Vd.c.		
Max. input current	12.5/12.5 Ad.c.		
Battery data parameters:			
Battery Type	Li-Ion		
Voltage range	85 – 460 Vd.c.		
max. charge current	25 Ad.c.		
max. discharge current	25 Ad.c.		
AC-Output (Back-up) parameters:			
Rated voltage	230 Va.c.		
Frequency	50 Hz		
Max. apparent power	3600 VA	5000 VA	6000 VA
Max. output current	15.7 Aa.c.	21.7 Aa.c.	26.1 Aa.c.
AC-Output (Grid Side) parameters:			
Rated grid voltage	230 Va.c.		
Rated grid frequency	50 Hz		
Max. apparent output power	3600 VA	5000 VA	6000 VA
Max. output current	16 Aa.c.	21.7 Aa.c.	26.1 Aa.c.
Displacement factor	0.8cap...0.8ind		
AC input parameters:			
Rated voltage	230 Va.c.		
Rated frequency	50 Hz		
Max. current from grid	32 Aa.c.	43.4 Aa.c.	52.2 Aa.c.
Max. apparent power from grid	7200 VA	10000 VA	12000 VA
Others:			
Protective class	Class I		
Inverter topology	Non-isolated		
Operation temperature range	-25...60°C		
Ingress protection	IP65		
Overvoltage-category	DC II, AC III		

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Hybrid Inverter			
Model name	GW3600N-EH	GW5000N-EH	GW6000N-EH
PV input parameters:			
Vmax PV	580 Vd.c.		
Isc PV	21.2/21.2 Ad.c.		
MPPT voltage range	100 - 550 Vd.c.		
Max. input current	16/16 Ad.c.		
Battery data parameters:			
Battery Type	Li-Ion		
Voltage range	85 – 460 Vd.c.		
max. charge current	25 Ad.c.		
max. discharge current	25 Ad.c.		
AC-Output (Back-up) parameters:			
Rated voltage	230 Va.c.		
Frequency	50 Hz		
Max. apparent power	3600 VA	5000 VA	6000 VA
Max. output current	15.7 Aa.c.	21.7 Aa.c.	26.1 Aa.c.
AC-Output (Grid Side) parameters:			
Rated grid voltage	230 Va.c.		
Rated grid frequency	50 Hz		
Max. apparent output power	3600 VA	5000 VA	6000 VA
Max. output current	16 Aa.c.	21.7 Aa.c.	26.1 Aa.c.
Displacement factor	0.8cap...0.8ind		
AC input parameters:			
Rated voltage	230 Va.c.		
Rated frequency	50 Hz		
Max. current from grid	32 Aa.c.	43.4 Aa.c.	52.2 Aa.c.
Max. apparent power from grid	7200 VA	10000 VA	12000 VA
Others:			
Protective class	Class I		
Inverter topology	Non-isolated		
Operation temperature range	-25...60°C		
Ingress protection	IP65		
Overvoltage-category	DC II, AC III		

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Hybrid Inverter		
Model name	GW5000-EH-BE	GW5000N-EH-BE
PV input parameters:		
Vmax PV	580 Vd.c.	
Isc PV	15.2/15.2 Ad.c.	21.2/21.2 Ad.c.
MPPT voltage range	100 - 550 Vd.c.	
Max. input current	12.5/12.5 Ad.c.	16/16 Ad.c.
Battery data parameters:		
Battery Type	Li-Ion	
Voltage range	85 – 460 Vd.c.	
max. charge current	25 Ad.c.	
max. discharge current	25 Ad.c.	
AC-Output (Back-up) parameters:		
Rated voltage	230 Va.c.	
Frequency	50 Hz	
Max. apparent power	5000 VA	5000 VA
Max. output current	21.7 Aa.c.	21.7Aa.c.
AC-Output (Grid Side) parameters:		
Rated grid voltage	230 Va.c.	
Rated grid frequency	50 Hz	
Max. apparent output power	5000 VA	5000 VA
Max. output current	21.7 Aa.c.	21.7 Aa.c.
Displacement factor	0.8cap...0.8ind	
AC input parameters:		
Rated voltage	230 Va.c.	
Rated frequency	50 Hz	
Max. current from grid	43.4 Aa.c.	43.4 Aa.c.
Max. apparent power from grid	10000 VA	10000 VA
Others:		
Protective class	Class I	
Inverter topology	Non-isolated	
Operation temperature range	-25...60°C	
Ingress protection	IP65	
Overvoltage-category	DC II, AC III	

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AC-Coupled Inverter				
Model name	GW3K-BH	GW3600-BH	GW5000-BH	GW6000-BH
Battery data parameters:				
Battery Type	Li-Ion			
Voltage range	85 – 400 Vd.c.	85 – 460 Vd.c.		
max. charge current	32 Ad.c.	25 Ad.c.		
max. discharge current	32 Ad.c.	25 Ad.c.		
AC-Output (Back-up) parameters:				
Rated voltage	230 Va.c.			
Frequency	50 Hz			
Max. apparent power	3000 VA	3600 VA	5000 VA	6000 VA
Max. output current	13.1 Aa.c.	15.7 Aa.c.	21.7 Aa.c.	26.1 Aa.c.
AC-Output (Grid Side) parameters:				
Rated grid voltage	230 Va.c.			
Rated grid frequency	50 Hz			
Max. apparent output power	3000 VA	3600 VA	5000 VA	6000 VA
Max. output current	13.1 Aa.c.	16 Aa.c.	21.7 Aa.c.	26.1 Aa.c.
Displacement factor	0.8cap...0.8ind			
AC input parameters:				
Rated voltage	230 Va.c.			
Rated frequency	50 Hz			
Max. current from grid	26.2 Aa.c.	32 Aa.c.	43.4 Aa.c.	52.2 Aa.c.
Max. apparent power from grid	6000 VA	7200 VA	10000 VA	12000 VA
Others:				
Protective class	Class I			
Inverter topology	Non-isolated			
Operation temperature range	-25...60°C			
Ingress protection	IP65			
Overvoltage-category	DC II, AC III			