



Product Service

Compliance Document

No. D 083373 0060 Rev. 00

Holder of Certificate: **JIANGSU GOODWE POWER SUPPLY TECHNOLOGY CO., LTD.**

No. 90 Zijin Road
New District
215011 Suzhou
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
Hybrid inverter and AC coupled energy inverter with storage battery system

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.: 704092001913-00

Date, 2020-09-03

(Zhengdong Ma)

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Model(s):

Hybrid inverter: GW3600-EH, GW5000-EH, GW6000-EH
 AC coupled energy inverter: GW3600-BH, GW5000-BH, GW6000-BH
 Storage battery system: BYD: HVM8.3, HVM11.0, HVM13.8, HVM16.6 and HVM19.3

Parameters:

Hybrid inverter with storage battery system:		
1) Storage battery system parameters:		
Battery Type	Li-ion	
Model	Manufacturer	Piece(s) of battery module recommended
HVM8.3	BYD LITHIUM BATTERY Co., LTD	3
HVM11.0	BYD LITHIUM BATTERY Co., LTD	4
HVM13.8	BYD LITHIUM BATTERY Co., LTD	5
HVM16.6	BYD LITHIUM BATTERY Co., LTD	6
HVM19.3	BYD LITHIUM BATTERY Co., LTD	7
BMS firmware version	V3.18	
2) Hybrid inverter parameters:		
Inverter model name	GW3600-EH, GW5000-EH, GW6000-EH	
a) PV input:		
Max. input voltage	d.c. 580V	
MPP voltage range	d.c. 100-550V	
Max. input current	d.c. 2x12.5A	
Isc PV (absolute maximum)	d.c. 2x15.2A	
b) Battery input:		
Battery voltage range	d.c. 80-450V	
Max. charge/discharge current	d.c. 25A/25A (GW3600-EH, GW5000-EH, GW6000-EH)	
c) AC-output (grid side):		
Rated output voltage	a.c. 230V	
Rated output frequency	50Hz	
Rated output power	3600W (GW3600-EH) 5000W (GW5000-EH) 6000W (GW6000-EH)	
Max. apparent output power	3960VA (GW3600-EH) 5500VA (GW5000-EH) 6600VA (GW6000-EH)	
Max. output current	a.c. 18A (GW3600-EH) a.c. 24A (GW5000-EH) a.c. 28.7A (GW6000-EH)	
Displacement factor	-0.9...1...+0.9	

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Hybrid inverter with storage battery system:	
d) AC-output (back-up):	
Rated output voltage	a.c. 230V
Rated output frequency	50Hz
Rated output power	3600W (GW3600-EH) 5000W (GW5000-EH) 6000W (GW6000-EH)
Rated output current	a.c. 15.7A (GW3600-EH) a.c. 21.7A (GW5000-EH) a.c. 26.1A (GW6000-EH)
e) AC-input	
Rated voltage	a.c. 230V
Rated output frequency	50Hz
Current (Maximum continuous)	a.c. 32A (GW3600-EH) a.c. 43.4A (GW5000-EH) a.c. 52.2A (GW6000-EH)
f) Other parameters:	
Protection class:	I
Degree of protection:	IP65
Overvoltage category:	II (PV), III (MAINS)
Ambient temperature:	-25°C...+60°C
Firmware version	020210

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AC coupled energy inverter with storage battery system:		
1) Storage battery system parameters:		
Battery Type	Li-ion	
Model	Manufacturer	Piece(s) of battery module recommended
HVM8.3	BYD LITHIUM BATTERY Co., LTD	3
HVM11.0	BYD LITHIUM BATTERY Co., LTD	4
HVM13.8	BYD LITHIUM BATTERY Co., LTD	5
HVM16.6	BYD LITHIUM BATTERY Co., LTD	6
HVM19.3	BYD LITHIUM BATTERY Co., LTD	7
BMS firmware version	V3.18	
2) Hybrid inverter parameters:		
Inverter model name	GW3600-BH, GW5000-BH, GW6000-BH	
a) Battery input:		
Battery voltage range	d.c. 80-450V	
Max. charge/discharge current	d.c. 25A/25A (GW3600-BH, GW5000-BH, GW6000-BH)	
b) AC-output (grid side):		
Rated output voltage	a.c. 230V	
Rated output frequency	50Hz	
Rated output power	3600W (GW3600-BH) 5000W (GW5000-BH) 6000W (GW6000-BH)	
Max. apparent output power	3960VA (GW3600-BH) 5500VA (GW5000-BH) 6600VA (GW6000-BH)	
Max. output current	a.c. 18A (GW3600-BH) a.c. 24A (GW5000-BH) a.c. 28.7A (GW6000-BH)	
Displacement factor	-0.9...1...+0.9	

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c) AC-output (back-up):	
Rated output voltage	a.c. 230V
Rated output frequency	50Hz
Rated output power	3600W (GW3600-BH) 5000W (GW5000-BH) 6000W (GW6000-BH)
Rated output current	a.c. 15.7A (GW3600-BH) a.c. 21.7A (GW5000-BH) a.c. 26.1A (GW6000-BH)
d) AC-input	
Rated voltage	a.c. 230V
Rated output frequency	50Hz
Current (Maximum continuous)	a.c. 32A (GW3600-BH) a.c. 43.4A (GW5000-BH) a.c. 52.2A (GW6000-BH)
e) Other parameters:	
Protection class:	I
Degree of protection:	IP65
Overvoltage category:	II (PV), III (MAINS)
Ambient temperature:	-25°C...+60°C
Firmware version	020210

DISPOSITIVO DI INTERFACCIA Interface Device	PROTEZIONE DI INTERFACCIA Interface Protection Device	DISPOSITIVO DI CONVERSIONE STATICA Static Conversion Device	DISPOSITIVO DI GENERAZIONE TOTANTE Rotating Device
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Tested according to:

CEI 0-21:2019