

Compliance Document

No. D 083373 0083 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 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.: 704092105212-00

Date, 2021-09-20



(Zhengdong Ma)

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Model(s): **Hybrid inverter: GW3600-EH, GW5000-EH, GW6000-EH**
 AC coupled inverter: GW3600-BH, GW5000-BH, GW6000-BH
 Storage battery system: PYLONTECH storage battery system PowerCube-X1/H1-48/zzzV(zzz is normal voltage, zzz=144~384, in step of 48)

Parameters:

Hybrid inverter with storage battery system:		
1) Storage battery system parameters:		
Battery Type	Li-ion	
Model	Manufacturer	Piece(s) of battery module recommended
PowerCube-X1/H1-48/144V	Pylon Technologies Co., Ltd	3
PowerCube-X1/H1-48/192V	Pylon Technologies Co., Ltd	4
PowerCube-X1/H1-48/240V	Pylon Technologies Co., Ltd	5
PowerCube-X1/H1-48/288V	Pylon Technologies Co., Ltd	6
PowerCube-X1/H1-48/336V	Pylon Technologies Co., Ltd	7
PowerCube-X1/H1-48/384V	Pylon Technologies Co., Ltd	8
BMS firmware version	PowerCube_CMU_A	
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)	

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Hybrid inverter with storage battery system:	
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
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
PowerCube-X1/H1-48/144V	Pylon Technologies Co., Ltd	3
PowerCube-X1/H1-48/192V	Pylon Technologies Co., Ltd	4
PowerCube-X1/H1-48/240V	Pylon Technologies Co., Ltd	5
PowerCube-X1/H1-48/288V	Pylon Technologies Co., Ltd	6
PowerCube-X1/H1-48/336V	Pylon Technologies Co., Ltd	7
PowerCube-X1/H1-48/384V	Pylon Technologies Co., Ltd	8
BMS firmware version	PowerCube_CMU_A	
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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AC coupled energy inverter with storage battery system:	
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

**Tested
according to:**

CEI 0-21:2019/V1:2020