

# Compliance Document

No. D 105515 0044 Rev. 01

**Holder of Certificate:** **Suzhou Hypontech Co., Ltd.**

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PEOPLE'S REPUBLIC OF CHINA

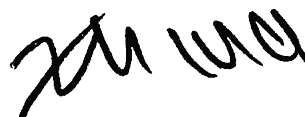
**Product:**

**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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704092103716-01

**Date,** 2022-06-14



( Zhengdong Ma )

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**Model(s):**

**Hybrid inverter: HHS-3000, HHS-3680, HHS-5000, HHS-6000**  
**AC Coupled inverter: HBS-3000, HBS-3680, HBS-5000, HBS-6000**  
**Storage battery system: DYNESSE storage battery system model, Tower T7, Tower T10, Tower T14**

## Parameters:

Hybrid inverter with storage battery system:		
1) Storage battery system parameters:		
Battery Type	Li-ion	
Model	Manufacturer	Piece(s) of battery module recommended
Tower T7	DAQIN NEW ENERGY TECH(TAIZHOU) Co., Ltd	2
Tower T10	DAQIN NEW ENERGY TECH(TAIZHOU) Co., Ltd	3
Tower T14	DAQIN NEW ENERGY TECH(TAIZHOU) Co., Ltd	4
BMS firmware version	V1.2	
2) Hybrid inverter parameters:		
Inverter model name	HHS-3000, HHS-3680, HHS-5000, HHS-6000	
a) PV input:		
Max. input voltage	d.c. 600V	
MPP voltage range	d.c. 80-520V	
Max. input current	d.c. 2x13A	
Isc PV (absolute maximum)	d.c. 2x20A	
b) Battery input:		
Battery voltage range	d.c. 80-480V	
Max. charge/discharge current	d.c. 25A/25A	
c) AC-output (grid side):		
Rated output voltage	a.c. 230V	
Rated output frequency	50Hz	
Rated output power	3000W (HHS-3000) 3680W (HHS-3680) 5000W (HHS-5000) 6000W (HHS-6000)	
Max. apparent output power	3300VA (HHS-3000) 3680VA (HHS-3680) 5500VA (HHS-5000) 6600VA (HHS-6000)	
Max. output current	a.c. 15A (HHS-3000) a.c. 16A (HHS-3680) a.c. 23A (HHS-5000) a.c. 27.3A (HHS-6000)	
Displacement factor	-0.8...1...+0.8	

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d) AC-output (back-up):	
Rated output voltage	a.c. 230V
Rated output frequency	50Hz
Max. apparent output power	3300VA (HHS-3000) 3680VA (HHS-3680) 5000VA (HHS-5000) 6000VA (HHS-6000)
Max. output current	a.c. 15A (HHS-3000) a.c. 16A (HHS-3680) a.c. 23A (HHS-5000) a.c. 27.3A (HHS-6000)
e) AC-input	
Rated voltage	a.c. 230V
Rated output frequency	50Hz
Current (Maximum continuous)	a.c. 30A (HHS-3000) a.c. 32A (HHS-3680) a.c. 36A (HHS-5000) a.c. 40A (HHS-6000)
f) Other parameters:	
Protection class:	I
Degree of protection:	IP65
Oversvoltage category:	II (DC), III (MAINS)
Ambient temperature:	-25°C...+60°C
Firmware version	V1.0.0.00

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AC Coupled inverter with storage battery system:		
1) Storage battery system parameters:		
Battery Type	Li-ion	
Model	Manufacturer	Piece(s) of battery module recommended
Tower T7	DAQIN NEW ENERGY TECH(TAIZHOU) Co., Ltd	2
Tower T10	DAQIN NEW ENERGY TECH(TAIZHOU) Co., Ltd	3
Tower T14	DAQIN NEW ENERGY TECH(TAIZHOU) Co., Ltd	4
BMS firmware version	V1.2	
2) AC Coupled inverter parameters:		
Inverter model name	HBS-3000, HBS-3680, HBS-5000, HBS-6000	
a) Battery input:		
Battery voltage range	d.c. 80-480V	
Max. charge/discharge current	d.c. 25A/25A	
b) AC-output (grid side):		
Rated output voltage	a.c. 230V	
Rated output frequency	50Hz	
Rated output power	3000W (HBS-3000) 3680W (HBS-3680) 5000W (HBS-5000) 6000W (HBS-6000)	
Max. apparent output power	3300VA (HBS-3000) 3680VA (HBS-3680) 5500VA (HBS-5000) 6600VA (HBS-6000)	
Max. output current	a.c. 15A (HBS-3000) a.c. 16A (HBS-3680) a.c. 23A (HBS-5000) a.c. 27.3A (HBS-6000)	
Displacement factor	-0.8...1...+0.8	
c) AC-output (back-up):		
Rated output voltage	a.c. 230V	
Rated output frequency	50Hz	
Max. apparent output power	3300VA (HBS-3000) 3680VA (HBS-3680) 5000VA (HBS-5000) 6000VA (HBS-6000)	
Max. output current	a.c. 15A (HBS-3000) a.c. 16A (HBS-3680) a.c. 23A (HBS-5000) a.c. 27.3A (HBS-6000)	



Product Service

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d) AC-input	
Rated voltage	a.c. 230V
Rated output frequency	50Hz
Current (Maximum continuous)	a.c. 30A (HBS-3000) a.c. 32A (HBS-3680) a.c. 36A (HBS-5000) a.c. 40A (HBS-6000)
e) Other parameters:	
Protection class:	I
Degree of protection:	IP65
Overvoltage category:	II (DC), III (MAINS)
Ambient temperature:	-25°C...+60°C
Firmware version	V1.0.0.00

**Tested  
according to:**

CEI 0-21:2019/V1:2020