

Compliance Document

No. D 111812 0008 Rev. 00

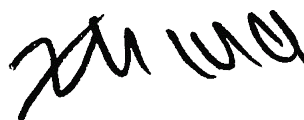
Holder of Certificate: **Suzhou Stealth Energy Technology Co.,Ltd**
8F,Zhenghe Mansion
No.198, Jinfeng Road
New District
215000 Suzhou
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
Hybrid 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.: 704092101605-00

Date, 2022-05-11



(Zhengdong Ma)

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Model(s): ST-INV-S5.0, ST-INV-S3.0

Parameters:

Hybrid inverter with storage battery system:	
1) Storage battery system parameters:	
Battery Type	Li-ion
Model	Manufacturer
1. SP-HE20427-H	Suzhou Stealth Energy Technology Co., Ltd.
2. SP-HE30727-H	Suzhou Stealth Energy Technology Co., Ltd.
BMS firmware version	BCMU-HV-27AH-V1.0
2) Hybrid inverter parameters:	
Inverter model name	ST-INV-S5.0, ST-INV-S3.0
a) PV input:	
Max. input voltage	d.c. 550V
MPP voltage range	d.c. 125-530V
Max. input current	d.c. 2x11A
Isc PV (absolute maximum)	d.c. 2x13.8A
b) Battery input:	
Battery voltage range	d.c. 80-400V
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 (ST-INV-S3.0) 4991W (ST-INV-S5.0)
Max. apparent output power	3000VA (ST-INV-S3.0) 4991VA (ST-INV-S5.0)
Max. output current	a.c. 13.1A (ST-INV-S3.0) a.c. 21.7A (ST-INV-S5.0)
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	2900VA (ST-INV-S3.0) 4600VA (ST-INV-S5.0)
Max. output current	a.c. 12.6A (ST-INV-S3.0) a.c. 20A (ST-INV-S5.0)
e) AC-input	
Rated voltage	a.c. 230V
Rated output frequency	50Hz
Current (Maximum continuous)	a.c. 25A (ST-INV-S3.0) a.c. 40A (ST-INV-S5.0)
f) Other parameters:	
Protection class:	I
Degree of protection:	IP65
Overvoltage category:	II (PV), III (MAINS)
Ambient temperature:	-25°C...+60°C
Firmware version	V01.10.27

**Tested
according to:**

CEI 0-21:2019/V1:2020