



Product Service

Compliance Document

No. D 120194 0023 Rev. 00

Holder of Certificate: **Shanghai Sieyuan Watten Technology Co., Ltd.**

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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.: 704092423412-00

Date, 2024-10-15

(Zhengdong Ma)



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Model(s):

SiH-5kW-TH, SiH-6kW-TH, SiH-8kW-TH, SiH-10kW-TH,
SeH-5kW-TH, SeH-6kW-TH, SeH-8kW-TH, SeH-10kW-TH,
StH-5kW-TH, StH-6kW-TH, StH-8kW-TH, StH-10kW-TH

Parameters:

Models	SiH-5kW-TH, SeH-5kW-TH, StH-5kW-TH	SiH-6kW-TH, SeH-6kW-TH, StH-6kW-TH	SiH-8kW-TH, SeH-8kW-TH, StH-8kW-TH	SiH-10kW-TH, SeH-10kW-TH, StH-10kW-TH
PV input parameters				
Max. Input Power	7500 Wp	9000 Wp	12000 Wp	15000 Wp
Max. Input Voltage	1000 Vd.c.			
MPP Voltage Range	150, ..., 950 Vd.c.	200, ..., 950 Vd.c.	200, ..., 950 Vd.c.	200, ..., 950 Vd.c.
Max. Input Current	16 A/16 Ad.c.	16 A/16 Ad.c.	16 A/16 Ad.c.	16 A/32 Ad.c.
Short Circuit Current	20 A/20 Ad.c.	20 A/20 Ad.c.	20 A/20 Ad.c.	20 A/40 Ad.c.
Battery parameters				
Battery Voltage Range	150, ..., 600 Vd.c.			
Max. Charge Current	30 Ad.c.			
Max. Discharge Current	30 Ad.c.			
Max. Charge Power	7500 W	9000 W	10600 W	10600 W
Max. Discharge Power	6000 W	7200 W	10600 W	10600 W
Battery type	Li-ion			
AC-Output (Grid Side) Parameters				
Rated Output Voltage	3/N/PE~, 230/400V			
Rated Frequency	50 Hz			
Rated Active Power	5000 W	6000 W	8000 W	10000 W
Max. Apparent Power	5500 VA	6600 VA	8800 VA	11000 VA
Max. Current	8.4 Aa.c.	10.0 Aa.c.	13.3 Aa.c.	16.7 Aa.c.
Power Factor Range	-0.8, ..., +0.8			
AC Input Parameters				
Rated Voltage	3/N/PE~, 230/400V			
Rated Frequency	50 Hz			
Max. Current	18.9 Aa.c.	22.7 Aa.c.	28.2 Aa.c.	31.2 Aa.c.



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Interface protection settings (Manufacturer default settings)		
Protection function	Trip setting	Time Delay Setting
U/V	$V_{\phi-N} - 20\%$	2.5s
O/V st 1	$V_{\phi-N} + 14\%$	1.0s
O/V st 2	$V_{\phi-N} + 19\%$	0.5s
U/F st 1	47.5 Hz	20s
U/F st 2	47 Hz	0.5s
OF	52 Hz	0.5s
Loss of Mains (RoCoF)	1 Hzs ⁻¹	

Note: All models are EMC compliant according to the CE declaration provided by the manufacturer.

**Tested
according to:**

G98/1-7:2022