

Compliance Document

No. D 091566 0086 Rev. 00

Holder of Certificate: **SINENG ELECTRIC CO.,LTD.**

No.6 Hehui Road, Huishan District
214174 Wuxi City
PEOPLE'S REPUBLIC OF CHINA

Product:

Converter
GRID-CONNECTED 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.: 4840924277500

Date, 2024-05-16



(Ming Gu)

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Model(s): SN3.0HS, SN3.68HS, SN4.0HS, SN5.0HS, SN6.0HS

Parameters:

Models	SN3.0HS	SN3.68HS	SN4.0HS
PV (DC):			
Max. Input Voltage:	600Vd.c.	600Vd.c.	600Vd.c.
Max. Input Current:	16A/16Ad.c.	16A/16Ad.c.	16A/16Ad.c.
Isc PV:	25A/25Ad.c.	25A/25Ad.c.	25A/25Ad.c.
MPPT Voltage Range:	90-560Vd.c.	90-560Vd.c.	90-560Vd.c.
BAT (DC):			
Voltage Range:	85-460Vd.c.	85-460Vd.c.	85-460Vd.c.
Max. Charge/Discharge Current:	25/25Ad.c.	25/25Ad.c.	25/25Ad.c.
Battery Type	Li-ion	Li-ion	Li-ion
GRID (AC output/input):			
Rated Voltage:	230V	230V	230V
Rated Frequency:	50/60Hz	50/60Hz	50/60Hz
Rated Output Power:	3kW	3.68kW	4kW
Max. Apparent Output Power:	3kVA	3.68kVA	4kVA
Max. Output Current:	13Aa.c.	16Aa.c.	17.4a.c.
Max. Input Power:	6kW	7.36kW	8kW
Max. Current from Grid:	26Aa.c.	32Aa.c.	34.8Aa.c.
Power Factor	0.8(leading)- 0.8(lagging)		
BACK-UP (AC output):			
Rated Voltage:	230V	230V	230V
Rated Frequency:	50/60Hz	50/60Hz	50/60Hz
Rated Output Power:	3kW	3.68kW	4kW
Max. Apparent Power:	3kVA	3.68kVA	4kVA
Max. Output Current:	13Aa.c.	16Aa.c.	17.4Aa.c.
Power Factor	0.8(leading)- 0.8(lagging)		
General information:			
Protection Class	I		
Ingress Protection:	IP65		
Operating Temperature:	-25°C ... +60°C		
Overvoltage Category:	III(AC), II(DC)		

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Models	SN5.0HS	SN6.0HS
PV (DC):		
Max. Input Voltage:	600Vd.c.	600Vd.c.
Max. Input Current:	16A/16Ad.c.	16A/16Ad.c.
Isc PV:	25A/25Ad.c.	25A/25Ad.c.
MPPT Voltage Range:	90-560Vd.c.	90-560Vd.c.
BAT (DC):		
Voltage Range:	85-460Vd.c.	85-460Vd.c.
Max. Charge/Discharge Current:	25/25Ad.c.	25/25Ad.c.
Battery Type	Li-ion	Li-ion
GRID (AC output/input):		
Rated Voltage:	230V	230V
Rated Frequency:	50/60Hz	50/60Hz
Rated Output Power:	5kW	6kW
Max. Apparent Output Power:	5kVA	6kVA
Max. Output Current:	21.7Aa.c.	26.1Aa.c.
Max. Input Power:	10kW	12kW
Max. Current from Grid:	43.4Aa.c.	52.2Aa.c.
Power Factor	0.8(leading)- 0.8(lagging)	
BACK-UP (AC output):		
Rated Voltage:	230V	230V
Rated Frequency:	50/60Hz	50/60Hz
Rated Output Power:	5kW	6kW
Max. Apparent Power:	5kVA	6kVA
Max. Output Current:	21.7Aa.c.	26.1Aa.c.
Power Factor	0.8(leading)- 0.8(lagging)	
General information:		
Protection Class	I	
Ingress Protection:	IP65	
Operating Temperature:	-25°C ... +60°C	
Overvoltage Category:	III(AC), II(DC)	

**Tested
according to:**

EN IEC 61000-3-2:2019/A1:2021
 EN 61000-3-3:2013/A2:2021
 EN 61000-3-12:2011
 EN IEC 61000-3-11:2019