



Product Service

# Attestation of Conformity

No. E8A 091566 0056 Rev. 00

**Holder of Attestation:** **SINENG ELECTRIC CO.,LTD.**No.6 Hehui Road, Huishan District  
214174 Wuxi City  
PEOPLE'S REPUBLIC OF CHINA**Name of Object:** **Converter**  
**GRID-CONNECTED HYBRID INVERTER**

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 4840923257900**Date,** 2023-07-12

( Jun Bao )

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

## Description of Object:

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)	

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**Tested  
according to:**

EN IEC 61000-6-3:2021  
EN IEC 61000-6-2:2019  
EN 62920:2017/A1:2021

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