

# Compliance Document

No. D 091566

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

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

**Product:**

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

**Test report no.:** 704092346204-00

**Date,** [#ISU\_DT#]

( Zhengdong Ma )

Draft From CBW 2.0 - Production System (Build 20230724.1)

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

**Parameters:**

Models	SN3.0HS	SN3.68HS
PV input		
Max. input voltage	600 Vd.c.	600 Vd.c.
MPPT voltage range	90 - 520 Vd.c.	90 - 520 Vd.c.
Max. input current	2x16A	2x16A
Max. short-circuit input current	2x25A	2x25A
Battery input		
Battery type	Li-ion	Li-ion
Battery voltage range	85- 460 Vd.c.	85- 460 Vd.c.
Max. charge current:	25 Ad.c.	25 Ad.c.
Max. discharge current:	25 Ad.c.	25 Ad.c.
AC-output (Back-up)		
Rated output voltage:	230 Va.c.	230 Va.c.
Rated output frequency:	50/60 Hz	50/60 Hz
Max. output current:	13A	16A
Max. output power	3KW	3.68KW
Max. apparent output power	3KVA	3.68KVA
AC-output (Grid side)		
Rated output voltage:	230 Va.c.	230 Va.c.
Rated output frequency:	50/60 Hz	50/60 Hz
Max. output current:	13A	13A
Max. current from Grid	26A	32A
Max. output power	3KW	3.68KW
Max. apparent output power	3KVA	3.68KVA
Max. input power	6KW	7.36KW
Power factor range	0.8(leading)-0.8(lagging)	

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Models	SN4.0HS	SN5.0HS	SN6.0HS
PV input			
Max. input voltage	600 Vd.c.	600 Vd.c.	600 Vd.c.
MPPT voltage range	90 - 520 Vd.c.	90 - 520 Vd.c.	90 - 520 Vd.c.
Max. input current	2x16A	2x16A	2x16A
Max. short-circuit input current	2x25A	2x25A	2x25A
Battery input			
Battery type	Li-ion	Li-ion	Li-ion
Battery voltage range	85- 460 Vd.c.	85- 460 Vd.c.	85- 460 Vd.c.
Max. charge current:	25 Ad.c.	25 Ad.c.	25 Ad.c.
Max. discharge current:	25 Ad.c.	25 Ad.c.	25 Ad.c.
AC-output (Back-up)			
Rated output voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Rated output frequency:	50/60 Hz	50/60 Hz	50/60 Hz
Rated output current:	17.4A	21.7A	26.1A
Rated output power	4KW	5KW	6KW
Max. apparent output power	4KVA	5KVA	6KVA
AC-output (Grid side)			
Rated output voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Rated output frequency:	50/60 Hz	50/60 Hz	50/60 Hz
Max. output current:	17.4A	21.7A	26.1A
Max. current from Grid	34.8A	43.4A	52.2A
Max. output power	4KW	5KW	6KW
Max. apparent output power	4KVA	5KVA	6KVA
Max. input power	8KW	10KW	12KW
Power factor range	0.8(leading)-0.8(lagging)		

**Tested according to:**

IEC 61727:2004  
 IEC 62116:2014  
 IEC 61683:1999  
 IEC 60068-2-1:2007  
 IEC 60068-2-2:2007  
 IEC 60068-2-14:2009  
 IEC 60068-2-30:2005

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