



Product Service

# Attestation of Conformity

No. N8A 104339 0041 Rev. 00

**Holder of Certificate:** Ningbo Sunways Technologies Co.,Ltd.No. 1, Second Road  
Green Industrial Zone  
Chongshou Town  
315334 Cixi, Ningbo, Zhejiang  
PEOPLE'S REPUBLIC OF CHINA**Product:** Converter  
HYBRID INVERTER

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment 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 testing and certification. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704092001221-00**Date,** 2021-01-04

( Zhengdong Ma )

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After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



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**Model(s):**                                    **STH-4KTL-HT, STH-5KTL-HT, STH-6KTL-HT,  
STH-8KTL-HT, STH-10KTL-HT, STH-12KTL-HT.**

## Parameters:

Models	STH-4KTL-HT	STH-5KTL-HT	STH-6KTL-HT
<b>PV Port</b>			
D.C. Max. Input Voltage:	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.
D.C. MPPT Voltage Range:	150-850 Vd.c.	150-850 Vd.c.	200-850 Vd.c.
D.C. Max. Input Current:	13/13 Ad.c.	13/13 Ad.c.	13/13 Ad.c.
Isc PV:	18/18 Ad.c.	18/18 Ad.c.	18/18 Ad.c.
<b>Battery Port</b>			
Battery Voltage Range:	180-750 Vd.c.	180-750 Vd.c.	180-750 Vd.c.
Battery Max. Charge/Discharge Current:	25 Ad.c.	25 Ad.c.	25 Ad.c.
Battery Type:	Li-Ion	Li-Ion	Li-Ion
<b>AC Input Port</b>			
AC Input Nominal Voltage:	3/N/PE~ 380/400 V	3/N/PE~ 380/400 V	3/N/PE~ 380/400 V
AC Input Nominal Frequency:	50/60 Hz	50/60 Hz	50/60 Hz
AC Input Max. Current:	11.6 Aa.c.	14.5 Aa.c.	17.4 Aa.c.
AC Input Max. Apparent Power:	8000 VA	10000 VA	12000 VA



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Models	STH-4KTL-HT	STH-5KTL-HT	STH-6KTL-HT
AC Output Port			
A.C. Output Nominal Voltage:	3/N/PE~ 380/400 V	3/N/PE~ 380/400 V	3/N/PE~ 380/400 V
A.C. Output Nominal Frequency:	50/60 Hz	50/60 Hz	50/60 Hz
A.C. Output Rated Power:	4000 W	5000 W	6000 W
A.C. Output Rated Apparent Power:	4000 VA	5000 VA	6000 VA
A.C. Output Max. Apparent Power:	4400 VA	5500 VA	6600 VA
A.C. Output Rated Current:	5.8 Aa.c.	7.3 Aa.c.	8.7 Aa.c.
A.C. Output Max. Current:	6.7 Aa.c.	8.3 Aa.c.	10 Aa.c.
Power Factor:	0.8leading... 0.8lagging	0.8leading... 0.8lagging	0.8leading... 0.8lagging

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Models	STH-4KTL-HT	STH-5KTL-HT	STH-6KTL-HT
Back-up Output Port			
Back-up Output Nominal Voltage:	3/N/PE~ 380/400 V	3/N/PE~ 380/400 V	3/N/PE~ 380/400 V
Back-up Output Nominal Frequency:	50/60 Hz	50/60 Hz	50/60 Hz
Back-up Output Rated Power:	4000 W	5000 W	6000 W
Back-up Output Rated Apparent Power:	4000 VA	5000 VA	6000 VA
Back-up Output Max. Apparent Power:	4400 VA	5500 VA	6600 VA
General Data			
Operating Attitude:	3000 m		
Protective Class:	I		
Ingress Protection:	IP65		
Overtoltage Category:	II(DC), III(AC)		
Operating Temperature Range:	-30°C ... +60°C		
Inverter Topology:	Non-isolated		

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No. N8A 104339 0041 Rev. 00

Models	STH-8KTL-HT	STH-10KTL-HT	STH-12KTL-HT
PV Port			
D.C. Max. Input Voltage:	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.
D.C. MPPT Voltage Range:	200-850 Vd.c.	200-850 Vd.c.	200-850 Vd.c.
D.C. Max. Input Current:	13/13 Ad.c.	13/13 Ad.c.	13/13 Ad.c.
Isc PV:	18/18 Ad.c.	18/18 Ad.c.	18/18 Ad.c.
Battery Port			
Battery Voltage Range:	180-750 Vd.c.	180-750 Vd.c.	180-750 Vd.c.
Battery Max. Charge/Discharge Current:	25 Ad.c.	25 Ad.c.	25 Ad.c.
Battery Type:	Li-Ion	Li-Ion	Li-Ion
AC Input Port			
AC Input Nominal Voltage:	3/N/PE~ 380/400 V	3/N/PE~ 380/400 V	3/N/PE~ 380/400 V
AC Input Nominal Frequency:	50/60 Hz	50/60 Hz	50/60 Hz
AC Input Max. Current:	23.2 Aa.c.	23.9 Aa.c.	23.9 Aa.c.
AC Input Max. Apparent Power:	16000 VA	16500 VA	16500 VA
AC Output Port			
A.C. Output Nominal Voltage:	3/N/PE~ 380/400 V	3/N/PE~ 380/400 V	3/N/PE~ 380/400 V
A.C. Output Nominal Frequency:	50/60 Hz	50/60 Hz	50/60 Hz
A.C. Output Rated Power:	8000 W	10000 W	12000 W
A.C. Output Rated Apparent Power:	8000 VA	10000 VA	12000 VA
A.C. Output Max. Apparent Power:	8800 VA	11000 VA	13200 VA
A.C. Output Rated Current:	11.6 Aa.c.	14.5 Aa.c.	17.4 Aa.c.
A.C. Output Max. Current:	13.3 Aa.c.	16.5 Aa.c.	20 Aa.c.
Power Factor:	0.8 leading... 0.8 lagging	0.8 leading... 0.8 lagging	0.8 leading... 0.8 lagging

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Models	STH-8KTL-HT	STH-10KTL-HT	STH-12KTL-HT
Back-up Output Port			
Back-up Output Nominal Voltage:	3/N/PE~ 380/400 V	3/N/PE~ 380/400 V	3/N/PE~ 380/400 V
Back-up Output Nominal Frequency:	50/60 Hz	50/60 Hz	50/60 Hz
Back-up Output Rated Power:	8000 W	10000 W	12000 W
Back-up Output Rated Apparent Power:	8000 VA	10000 VA	12000 VA
Back-up Output Max. Apparent Power:	8800 VA	11000 VA	13200 VA
General Data			
Operating Attitude:	3000 m		
Protective Class:	I		
Ingress Protection:	IP65		
Overvoltage Category:	II(DC), III(AC)		
Operating Temperature Range:	-30°C ... +60°C		
Inverter Topology:	Non-isolated		

**Tested according to:**

EN 62109-1:2010  
EN 62109-2:2011

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