

# Compliance Document

No. D 104339 0043 Rev. 00

**Holder of Certificate:** **Ningbo Sunways Technologies Co.,Ltd.**

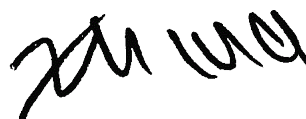
No. 1,Second Road  
Green Industrial Zone  
Chongshou Town  
315334 Cixi,Ningbo,Zhejiang  
PEOPLE'S REPUBLIC OF CHINA

**Product:** **Converter**  
**HYBRID INVERTER**

This 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.:** 704092001223-00

**Date,** 2021-01-11



( Zhengdong Ma )

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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:

Model Name	STH-4KTL-HT	STH-5KTL-HT	STH-6KTL-HT
<b>PV Input Parameters</b>			
Max. Input Voltage	1000 Vd.c.		
MPPT Voltage Range	150-850 Vd.c.	200-850 Vd.c.	
Max. Input Current	13/13 Ad.c.		
Isc PV	18/18 Ad.c.		
<b>Battery Input Parameters</b>			
Battery Type	Li-Ion		
Battery Voltage Range	180-750 Vd.c.		
Max. Charge Current	25 Ad.c.		
Max. Discharge Current	25 Ad.c.		
<b>A.C. Output Parameters</b>			
Output Rated Voltage	3/N/PE~, 230/400 Va.c.		
Output Rated Frequency	50 Hz		
Output Rated Power	4000 W	5000 W	6000 W
Output Rated Apparent Power	4000 VA	5000 VA	6000 VA
Output Max. Apparent Power	4400 VA	5500 VA	6600 VA
Output Rated Current	5,8 Aa.c.	7,3 Aa.c.	8,7 Aa.c.
Output Max. Current	6,7 Aa.c.	8,3 Aa.c.	10 Aa.c.
Power factor	0.8 leading...0.8 lagging		
<b>Back-Up Output Parameters</b>			
Output Rated Voltage	3/N/PE~, 230/400 Va.c.		
Output Rated Frequency	50 Hz		
Output Rated Power	4000 W	5000 W	6000 W
Output Rated Apparent Power	4000 VA	5000 VA	6000 VA
Output Max. Apparent Power	4400 VA	5500 VA	6600 VA
<b>A.C. Input Parameters</b>			
Input Rated Voltage	3/N/PE~, 230/400 Va.c.		
Input Rated Frequency	50 Hz		
Input Max. Current	11,6 Aa.c.	14,5 Aa.c.	17,4 Aa.c.
Input Max. Apparent Power	8000 VA	10000 VA	12000 VA
<b>Others</b>			
Protection class	I		
Ingress protection	IP65		
Overvoltage category	II(PV), III(MAINS)		
Operating temperature range	-30°C ... +60°C		
Operating altitude	3000m		
Inverter topology	Non-isolated		

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Model Name	STH-8KTL-HT	STH-10KTL-HT	STH-12KTL-HT
PV Input Parameters			
Max. Input Voltage	1000 Vd.c.		
MPPT Voltage Range	200-850 Vd.c.		
Max. Input Current	13/13 Ad.c.		
Isc PV	18/18 Ad.c.		
Battery Input Parameters			
Battery Type	Li-Ion		
Battery Voltage Range	180-750 Vd.c.		
Max. Charge Current	25 Ad.c.		
Max. Discharge Current	25 Ad.c.		
A.C. Output Parameters			
Output Rated Voltage	3/N/PE~, 230/400 Va.c.		
Output Rated Frequency	50 Hz		
Output Rated Power	8000 W	10000 W	12000 W
Output Rated Apparent Power	8000 VA	10000 VA	12000 VA
Output Max. Apparent Power	8800 VA	11000 VA	13200 VA
Output Rated Current	11,6 Aa.c.	14,5 Aa.c.	17,4 Aa.c.
Output Max. Current	13,3 Aa.c.	16,5 Aa.c.	20 Aa.c.
Power factor	0.8 leading...0.8 lagging		
Back-Up Output Parameters			
Output Rated Voltage	3/N/PE~, 230/400 Va.c.		
Output Rated Frequency	50 Hz		
Output Rated Power	8000 W	10000 W	12000 W
Output Rated Apparent Power	8000 VA	10000 VA	12000 VA
Output Max. Apparent Power	8800 VA	11000 VA	13200 VA
A.C. Input Parameters			
Input Rated Voltage	3/N/PE~, 230/400 Va.c.		
Input Rated Frequency	50 Hz		
Input Max. Current	23,2 Aa.c.	23,9 Aa.c.	23,9 Aa.c.
Input Max. Apparent Power	16000 VA	16500 VA	16500 VA
Others			
Protection class	I		
Ingress protection	IP65		
Overvoltage category	II(PV), III(MAINS)		
Operating temperature range	-30°C ... +60°C		
Operating altitude	3000m		
Inverter topology	Non-isolated		

**Tested**  
**according to:**

EN 50549-1:2019/AC:2019