

# Compliance Document

No. D 104339 0078 Rev. 00

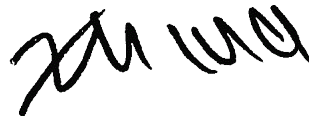
**Holder of Certificate:** **Ningbo Sunways Technologies Co.,Ltd.**  
No. 1, Second Road  
Green Industrial Zone  
Chongshou Town  
315334 Cixi, Ningbo, Zhejiang  
PEOPLE'S REPUBLIC OF CHINA

**Product:** **Converter**  
**GRID-CONNECTED PV 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.:** 5040923003103-00

**Date,** 2023-08-18



( Zhengdong Ma )

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**Model(s):** STT-5KTL-P, STT-5KTL, STT-6KTL-P,  
STT-6KTL, STT-8KTL-P, STT-8KTL,  
STT-10KTL-P, STT-10KTL, STT-4KTL-P,  
STT-4KTL

## Parameters:

Model	STT-4KTL-P	STT-5KTL-P	STT-6KTL-P
PV Input Parameters			
Max.Input Voltage	DC 1100 V		
Max.Input Current	DC 15/15 A		
Isc PV	DC 20/20 A		
MPPT Voltage Range	DC 160 V, ..., 1000 V		
AC Output Parameters			
Rated Power	4000 W	5000 W	6000 W
Rated Apparent Power	4000 VA	5000 VA	6000 VA
Max.Apparent Power	4400 VA	5500 VA	6600 VA
Rated Voltage	3/N/PE AC 230/400 V		
Max.Current	AC 6.7 A	AC 8.4 A	AC 10 A
Rated Current	AC 5.8 A	AC 7.3 A	AC 8.7 A
Rated Frequency	50 Hz		
Power Factor	0.8 leading, ..., 0.8 lagging		

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Model	STT-4KTL	STT-5KTL	STT-6KTL
PV Input Parameters			
Max.Input Voltage	DC 1100 V		
Max.Input Current	DC 11/11 A		
Isc PV	DC 15/15 A		
MPPT Voltage Range	DC 200 V, ..., 950 V		
AC Output Parameters			
Rated Power	4000 W	5000 W	6000 W
Rated Apparent Power	4000 VA	5000 VA	6000 VA
Max.Apparent Power	4400 VA	5500 VA	6600 VA
Rated Voltage	3/N/PE AC 230/400 V		
Max.Current	AC 6.7 A	AC 8.4 A	AC 10 A
Rated Current	AC 5.8 A	AC 7.3 A	AC 8.7 A
Rated Frequency	50 Hz		
Power Factor	0.8 leading, ..., 0.8 lagging		

Model	STT-8KTL-P	STT-10KTL-P
PV Input Parameters		
Max.Input Voltage	DC 1100 V	
Max.Input Current	DC 15/15 A	
Isc PV	DC 20/20 A	
MPPT Voltage Range	DC 160 V, ..., 1000 V	
AC Output Parameters		
Rated Power	8000 W	10000 W
Rated Apparent Power	8000 VA	10000 VA
Max.Apparent Power	8800 VA	11000 VA
Rated Voltage	3/N/PE AC 230/400 V	
Max.Current	AC 13.3 A	AC 16.5 A
Rated Current	AC 11.6 A	AC 14.5 A
Rated Frequency	50 Hz	
Power Factor	0.8 leading, ..., 0.8 lagging	

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Model	STT-8KTL	STT-10KTL
PV Input Parameters		
Max.Input Voltage	DC 1100 V	
Max.Input Current	DC 11/11 A	
Isc PV	DC 15/15 A	
MPPT Voltage Range	DC 200 V, ..., 950 V	
AC Output Parameters		
Rated Power	8000 W	10000 W
Rated Apparent Power	8000 VA	10000 VA
Max.Apparent Power	8800 VA	11000 VA
Rated Voltage	3/N/PE AC 230/400 V	
Max.Current	AC 13.3 A	AC 16.5 A
Rated Current	AC 11.6 A	AC 14.5 A
Rated Frequency	50 Hz	
Power Factor	0.8 leading, ..., 0.8 lagging	

## Protection settings (Manufacturer default settings)

Protection Function	Type A Power Generating Modules	
	Trip setting	Time Delay Setting
U/V	$V_{\phi-\phi} - 20\%$	2.50 s
O/V st 1	$V_{\phi-\phi} + 14\%$	1 s
O/V st 2	$V_{\phi-\phi} + 19\%$	0.5 s
U/F st 1	47.5 Hz	20 s
U/F st 2	47 Hz	0.5 s
OF	52 Hz	0.5 s
Reconnection time delay after interface protection	75 s as default (adjustable)	
Loss of Mains (RoCoF)	1 Hzs <sup>-1</sup> time delay 0.5 s	
Tolerances on trip values: - voltage: $\pm 1.5\%$ ; - frequency: $\pm 0.2\%$ ;		
Unauthorised access to factory safety parameters setting and software should be prohibited. A reset to the factory safety parameters requires retesting and verification in conjunction with the end-use system. Protection integrated in inverter can not be used as an alternative central interface protection device at connection point.		

**Tested according to:**

G98/1-4:2019