

# Compliance Document

No. D 104339 0075 Rev. 00

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

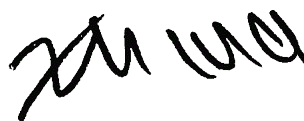
No. 1,Second Road  
Green Industrial Zone  
Chongshou Town  
315334 Cixi,Ningbo,Zhejiang  
PEOPLE'S REPUBLIC OF CHINA

**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.:** 5040923003105-00

**Date,** 2023-05-16



( Zhengdong Ma )

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## Model(s):

STS-1KTL-S, STS-1.5KTL-S, STS-2KTL-S,  
STS-2.5KTL-S, STS-3KTL-S, STS-1KTL-S-P,  
STS-1.5KTL-S-P, STS-2KTL-S-P, STS-2.5KTL-S-P,  
STS-3KTL-S-P.

## Parameters:

Model Name	STS-1KTL-S	STS-1.5KTL-S	STS-2KTL-S
PV Input Parameters:			
Max. Input Voltage	500 Vd.c.	500 Vd.c.	500 Vd.c.
MPPT Voltage Range	80-450 Vd.c.	80-450 Vd.c.	80-450 Vd.c.
Max. Input Current	12.5 Ad.c.	12.5 Ad.c.	12.5 Ad.c.
Isc PV	15 Ad.c.	15 Ad.c.	15 Ad.c.
AC Output Parameters:			
Output Rated Voltage	230 Va.c.	230 Va.c.	230 Va.c.
Output Rated Frequency	50 Hz	50 Hz	50 Hz
Output Rated Power	1000 W	1500 W	2000 W
Output Max. Apparent Power	1100 VA	1650 VA	2200 VA
Output Rated Current	4.4 Aa.c.	6.5 Aa.c.	8.7 Aa.c.
Output Max. Current	4.8 Aa.c.	7.2 Aa.c.	9.6 Aa.c.
Power Factor	0.8 leading...0.8 lagging		
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		

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Model Name	STS-2.5KTL-S	STS-3KTL-S	
PV Input Parameters:			
Max. Input Voltage	500 Vd.c.	500 Vd.c.	
MPPT Voltage Range	80-450 Vd.c.	80-450 Vd.c.	
Max. Input Current	12.5 Ad.c.	12.5 Ad.c.	
Isc PV	15 Ad.c.	15 Ad.c.	
AC Output Parameters:			
Output Rated Voltage	230 Va.c.	230 Va.c.	
Output Rated Frequency	50 Hz	50 Hz	
Output Rated Power	2500 W	3000 W	
Output Max. Apparent Power	2750 VA	3300 VA	
Output Rated Current	10.9 Aa.c.	13.1 Aa.c.	
Output Max. Current	12 Aa.c.	14.4 Aa.c.	
Power Factor	0.8 leading...0.8 lagging		
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		
Model Name	STS-1KTL-S-P	STS-1.5KTL-S-P	STS-2KTL-S-P
PV Input Parameters:			
Max. Input Voltage	500 Vd.c.	500 Vd.c.	500 Vd.c.
MPPT Voltage Range	80-450 Vd.c.	80-450 Vd.c.	80-450 Vd.c.
Max. Input Current	16 Ad.c.	16 Ad.c.	16 Ad.c.
Isc PV	20 Ad.c.	20 Ad.c.	20 Ad.c.
AC Output Parameters:			
Output Rated Voltage	230 Va.c.	230 Va.c.	230 Va.c.
Output Rated Frequency	50 Hz	50 Hz	50 Hz
Output Rated Power	1000 W	1500 W	2000 W
Output Max. Apparent Power	1100 VA	1650 VA	2200 VA
Output Rated Current	4.4 Aa.c.	6.5 Aa.c.	8.7 Aa.c.
Output Max. Current	4.8 Aa.c.	7.2 Aa.c.	9.6 Aa.c.
Power Factor	0.8 leading...0.8 lagging		
Others:			
Protection Class	I		
Ingress Protection	IP65		
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Model Name	STS-2.5KTL-S-P	STS-3KTL-S-P
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Power Factor	0.8 leading...0.8 lagging	
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Protection Class	I	
Ingress Protection	IP65	
Overtoltage Category	II(PV), III(MAINS)	
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Operating Altitude	3000m	
Inverter Topology	Non-isolated	

**Tested  
according to:**

DIN VDE 0126-1-1 (VDE V 0126-1-1):2013