



Product Service

# Compliance Document

No. D 104339 0035 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.:** 704092001226-00

**Date,** 2020-10-23

( Zhengdong Ma )

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**Model(s):** STS-3KTL, STS-3.6KTL, STS-4.2KTL,  
STS-4.6KTL, STS-5KTL, STS-6KTL.

## Parameters:

Model Name	STS-3KTL	STS-3.6KTL	STS-4.2KTL
PV Input Parameters			
Max. Input Voltage	600 Vd.c.	600 Vd.c.	600 Vd.c.
MPPT Voltage Range	100-550 Vd.c.	100-550 Vd.c.	100-550 Vd.c.
Max. Input Current	12,5/12,5 Ad.c.	12,5/12,5 Ad.c.	12,5/12,5 Ad.c.
Isc PV	15/15 Ad.c.	15/15 Ad.c.	15/15 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	3000 W	3600 W	4200 W
Output Max. Apparent Power	3300 VA	3960 VA	4600 VA
Output Rated Current	13 Aa.c.	15,7 Aa.c.	18,3 Aa.c.
Output Max. Current	15 Aa.c.	18 Aa.c.	21 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-4.6KTL	STS-5KTL	STS-6KTL
PV Input Parameters			
Max. Input Voltage	600 Vd.c.	600 Vd.c.	600 Vd.c.
MPPT Voltage Range	100-550 Vd.c.	100-550 Vd.c.	100-550 Vd.c.
Max. Input Current	12,5/12,5 Ad.c.	12,5/12,5 Ad.c.	12,5/12,5 Ad.c.
Isc PV	15/15 Ad.c.	15/15 Ad.c.	15/15 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	4600 W	5000 W	6000 W
Output Max. Apparent Power	4600 VA	5500 VA	6600 VA
Output Rated Current	20 Aa.c.	21,7 Aa.c.	26,1 Aa.c.
Output Max. Current	21 Aa.c.	25 Aa.c.	28,7 Aa.c.
Power Factor	0.8 leading...0.8 lagging		
Others			
Protection Class	I		
Ingress Protection	IP65		
Overtoltage Category	II(PV), III(MAINS)		
Operating Temperature Range	-30°C ... +60°C		
Operating Altitude	3000m		
Inverter Topology	Non-isolated		

**Tested  
according to:**

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