



Product Service

# Attestation of Conformity

No. N8A 104339 0020 Rev. 01

**Holder of Attestation:** 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 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 conformity assessment. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704092001206-01**Date,** 2023-04-20  
( Zhengdong Ma )

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**Model(s):** STS-3KTL-S, STS-2.5KTL-S, STS-2KTL-S, STS-1.5KTL-S, STS-1KTL-S, STS-3KTL-S-P, STS-2.5KTL-S-P, STS-2KTL-S-P, STS-1.5KTL-S-P, STS-1KTL-S-P

## Parameters:

Model Name	STS-1KTL-S	STS-1.5KTL-S	STS-2KTL-S
PV Input Ratings			
D.C. Max. Input Voltage	500Vd.c.	500Vd.c.	500Vd.c.
D.C. MPPT Voltage Range	80-450Vd.c.	80-450Vd.c.	80-450Vd.c.
D.C. Max. Input Current	12.5A	12.5A	12.5A
Isc PV:	15A	15A	15A
AC Output Ratings			
A.C. Output Rated Voltage	1/N/PE 220V/230Va.c	1/N/PE 220V/230Va.c	1/N/PE 220V/230Va.c
A.C. Output Rated Frequency	50/60Hz	50/60Hz	50/60Hz
A.C. Output Rated Power:	1000W	1500W	2000W
A.C. Output Rated Apparent Power	1000VA	1500VA	2000VA
A.C. Output Max. Apparent Power	1100VA	1650VA	2200VA
A.C. Output Rated Current	4.4A	6.5A	8.7A
A.C. Output Max. Current	4.8A	7.2A	9.6A
Power Factor	0.8 leading... 0.8 lagging		
Protective Class	I		
Ingress Protection	IP65		
Overtoltage Category	II(PV), III(MAINS)		
Operating Temperature Range	-30°C ... +60°C		
Operating Attitude	3000 m		
Inverter Topology	Non-isolated		

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Model Name	STS-2.5KTL-S	STS-3KTL-S
PV Input Ratings		
D.C. Max. Input Voltage	500Vd.c.	500Vd.c.
D.C. MPPT Voltage Range	80-450Vd.c.	80-450Vd.c.
D.C. Max. Input Current	12.5A	12.5A
Isc PV:	15A	15A
AC Output Ratings		
A.C. Output Rated Voltage	1/N/PE 220V/230Va.c	1/N/PE 220V/230Va.c
A.C. Output Rated Frequency	50/60Hz	50/60Hz
A.C. Output Rated Power:	2500W	3000W
A.C. Output Rated Apparent Power	2500VA	3000VA
A.C. Output Max. Apparent Power	2750VA	3300VA
A.C. Output Rated Current	10.9A	13.1A
A.C. Output Max. Current	12A	14.4A
Power Factor	0.8 leading... 0.8 lagging	
Protective Class	I	
Ingress Protection	IP65	
Overvoltage Category	II(PV), III(MAINS)	
Operating Temperature Range	-30°C ... +60°C	
Operating Attitude	3000 m	
Inverter Topology	Non-isolated	

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Model Name	STS-1KTL-S-P	STS-1.5KTL-S-P	STS-2KTL-S-P
PV Input Ratings			
D.C. Max. Input Voltage	500Vd.c.	500Vd.c.	500Vd.c.
D.C. MPPT Voltage Range	80-450Vd.c.	80-450Vd.c.	80-450Vd.c.
D.C. Max. Input Current	16A	16A	16A
Isc PV:	20A	20A	20A
AC Output Ratings			
A.C. Output Rated Voltage	1/N/PE 220V/230Va.c	1/N/PE 220V/230Va.c	1/N/PE 220V/230Va.c
A.C. Output Rated Frequency	50/60Hz	50/60Hz	50/60Hz
A.C. Output Rated Power:	1000W	1500W	2000W
A.C. Output Rated Apparent Power	1000VA	1500VA	2000VA
A.C. Output Max. Apparent Power	1100VA	1650VA	2200VA
A.C. Output Rated Current	4.4A	6.5A	8.7A
A.C. Output Max. Current	4.8A	7.2A	9.6A
Power Factor	0.8 leading... 0.8 lagging		
Protective Class	I		
Ingress Protection	IP65		
Overvoltage Category	II(PV), III(MAINS)		
Operating Temperature Range	-30°C ... +60°C		
Operating Attitude	3000 m		
Inverter Topology	Non-isolated		

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No. N8A 104339 0020 Rev. 01

Model Name	STS-2.5KTL-S-P	STS-3KTL-S-P
PV Input Ratings		
D.C. Max. Input Voltage	500Vd.c.	500Vd.c.
D.C. MPPT Voltage Range	80-450Vd.c.	80-450Vd.c.
D.C. Max. Input Current	16A	16A
Isc PV:	20A	20A
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A.C. Output Rated Voltage	1/N/PE 220V/230Va.c	1/N/PE 220V/230Va.c
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Power Factor	0.8 leading... 0.8 lagging	
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Ingress Protection	IP65	
Overvoltage Category	II(PV), III(MAINS)	
Operating Temperature Range	-30°C ... +60°C	
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**Tested according to:**

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

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