



Product Service

CERTIFICATE

No. B 104339 0019 Rev. 01

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

Certification Mark:



Product: Converter
Grid-connected PV Inverter

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704092001206-01

Valid until: 2028-04-17

Date, 2023-04-20

(Zhengdong Ma)

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No. B 104339 0019 Rev. 01

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		
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-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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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
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
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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)	
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Operating Attitude	3000 m	
Inverter Topology	Non-isolated	

Tested according to: EN 62109-1:2010
IEC 62109-1:2010
EN 62109-2:2011
IEC 62109-2:2011