



Product Service

# CERTIFICATE

No. B 104339 0002 Rev. 03

**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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704091914501-03

**Valid until:** 2026-10-18

**Date,** 2021-10-19

( Zhengdong Ma )

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

## Parameters:

Models	STS-3KTL	STS-3.6KTL	STS-4.2KTL	STS-4.6KTL	STS-5KTL	STS-6KTL
PV Input Ratings						
D.C. Max. Input Voltage:	DC 600V					
D.C. MPPT Voltage Range:	DC 100-550V					
D.C. Max. Input Current:	DC 12.5/12.5A					
Isc PV:	DC 15/15A					
AC Output Ratings						
A.C. Output Rated Voltage:	1/N/PE~ 230V					
A.C. Output Rated Frequency:	50Hz					
A.C. Output Rated Power:	3000W	3600W	4200W	4600W	5000W	6000W
A.C. Output Max. Apparent Power:	3300VA	3960VA	4600VA	4600VA	5500VA	6600VA
A.C. Output Max. Current:	AC 15A	AC 18A	AC 21A	AC 21A	AC 25A	AC 28.7A
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					

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Models	STS-3KTL-P	STS-3.6KTL-P	STS-4.2KTL-P	STS-4.6KTL-P	STS-5KTL-P	STS-6KTL-P
PV Input Ratings						
D.C. Max. Input Voltage:	DC 600V					
D.C. MPPT Voltage Range:	DC 100-550V					
D.C. Max. Input Current:	DC 15/15A					
Isc PV:	DC 20/20A					
AC Output Ratings						
A.C. Output Rated Voltage:	1/N/PE~ 220/230V					
A.C. Output Rated Frequency:	50/60Hz					
A.C. Output Rated Power:	3000W	3600W	4200W	4600W	5000W	6000W
A.C. Output Rated Apparent Power:	3000VA	3600VA	4200VA	4600VA	5000VA	6000VA
A.C. Output Max. Apparent Power:	3300VA	3960VA	4600VA	4600VA	5500VA	6600VA
A.C. Output Max. Current:	15A	18A	21A	21A	25A	28.7A
A.C. Output Rated Current:	13A	15.7A	18.3A	20A	21.7A	26.1A
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 Altitude	3000m					
Communication	RS485, WiFi/GPRS/LAN(Optional)					
Inverter Topology	Non-isolated					

**Tested according to:** EN 62109-1:2010  
IEC 62109-1(ed.1)  
EN 62109-2:2011  
IEC 62109-2(ed.1)