



Product Service

CERTIFICATE

No. B 104339 0054 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

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.: 704092101620-00

Valid until: 2026-07-13

Date, 2021-07-16

(Zhengdong Ma)

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Model(s): STT-4KTL-P, STT-5KTL-P, STT-6KTL-P,
STT-8KTL-P, STT-10KTL-P, STT-12KTL-P,
STT-15KTL-P, STT-17KTL-P, STT-20KTL-P,
STT-25KTL-P.

Parameters:

Model Name	STT-4KTL-P	STT-5KTL-P	STT-6KTL-P	STT-8KTL-P
PV Input Ratings				
D.C. Max. Input Voltage	DC 1100V			
D.C. MPPT Voltage Range	DC 160-1000V			
D.C. Max. Input Current	DC 15/15A			
Isc PV	DC 20/20A			
AC Output Ratings				
A.C. Output Rated Voltage	3/N/PE~ 220/380V or 3/N/PE~ 230/400V			
A.C. Output Rated Frequency	50/60Hz			
A.C. Output Rated Power	4000W	5000W	6000W	8000W
A.C. Output Rated Apparent power	4000VA	5000VA	6000VA	8000VA
A.C. Output Max. Apparent Power	4400VA	5500VA	6600VA	8800VA
A.C. Output Rated Current	AC 5.8A	AC 7.3A	AC 8.7A	AC 11.6A
A.C. Output Max. Current	AC 6.7A	AC 8.4A	AC 10A	AC 13.3A
Power Factor	0.8 leading...0.8 lagging			
General Information				
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	STT-10KTL-P	STT-12KTL-P	STT-15KTL-P	STT-17KTL-P
PV Input Ratings				
D.C. Max. Input Voltage	DC 1100V			
D.C. MPPT Voltage Range	DC 160-1000V			
D.C. Max. Input Current	DC 15/15A	DC 15/15A	DC 15/30A	DC 30/30A
Isc PV	DC 20/20A	DC 20/20A	DC 20/40A	DC 40/40A
AC Output Ratings				
A.C. Output Rated Voltage	3/N/PE~ 220/380V or 3/N/PE~ 230/400V			
A.C. Output Rated Frequency	50/60Hz			
A.C. Output Rated Power	10000W	12000W	15000W	17000W
A.C. Output Rated Apparent power	10000VA	12000VA	15000VA	17000VA
A.C. Output Max. Apparent Power	11000VA	13200VA	16500VA	18700VA
A.C. Output Rated Current	AC 14.5A	AC 17.4A	AC 21.7A	AC 24.6A
A.C. Output Max. Current	AC 16.5A	AC 20A	AC 25A	AC 28.4A
Power Factor	0.8 leading...0.8 lagging			
General Information				
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	STT-20KTL-P	STT-25KTL-P
PV Input Ratings		
D.C. Max. Input Voltage	DC 1100V	
D.C. MPPT Voltage Range	DC 160-1000V	
D.C. Max. Input Current	DC 30/30A	
Isc PV	DC 40/40A	
AC output ratings		
A.C. Output Rated Voltage	3/N/PE~ 220/380V or 3/N/PE~ 230/400V	
A.C. Output Rated Frequency	50/60Hz	
A.C. Output Rated Power	20000W	25000W
A.C. Output Rated Apparent power	20000VA	25000VA
A.C. Output Max. Apparent Power	22000VA	25000VA
A.C. Output Rated Current	AC 29A	AC 36.2A
A.C. Output Max. Current	AC 31.9A	AC 39A
Power Factor	0.8 leading...0.8 lagging	
General Information		
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	

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