



Product Service

# CERTIFICATE

No. B 104339 0047 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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704092001227-00

**Valid until:** 2026-04-26

**Date,** 2021-04-29

( Zhengdong Ma )

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**Model(s):** STT-80KTL, STT-100KTL, STT-110KTL,  
STT-100KTL-HV, STT-125KTL-HV.

## Parameters:

Model Name	STT-80KTL	STT-100KTL	STT-110KTL
PV Input Ratings			
D.C. Max. Input Voltage	1100Vd.c.	1100Vd.c.	1100Vd.c.
D.C. MPPT Voltage Range	200-950Vd.c.	200-950Vd.c.	200-950Vd.c.
D.C. Max. Input Current	8 x 26A	10 x 26A	10 x 26A
Isc PV	8 x 40A	10 x 40A	10 x 40A
AC Output Ratings			
A.C. Output Rated Voltage	3/N/PE~ 380/400V	3/N/PE~ 380/400V	3/N/PE~ 380/400V
A.C. Output Rated Frequency	50/60Hz	50/60Hz	50/60Hz
A.C. Output Rated Power	80000W	100000W	110000W
A.C. Output Rated Apparent Power	80000VA	100000VA	110000VA
A.C. Output Max. Apparent Power	88000VA	110000VA	121000VA
A.C. Output Rated Current	115.5A	144.3A	158.8
A.C. Output Max. Current	127A	158.8A	174.8A
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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No. B 104339 0047 Rev. 00

Model Name	STT-100KTL-HV	STT-125KTL-HV
PV Input Ratings		
D.C. Max. Input Voltage	1100Vd.c.	1100Vd.c.
D.C. MPPT Voltage Range	200-950Vd.c.	200-950Vd.c.
D.C. Max. Input Current	10 x 26A	10 x 26A
Isc PV	10 x 40A	10 x 40A
AC Output Ratings		
A.C. Output Rated Voltage	3/N/PE~ 480/500V	3/N/PE~ 480/500V
A.C. Output Rated Frequency	50/60Hz	50/60Hz
A.C. Output Rated Power	100000W	125000W
A.C. Output Rated Apparent Power	100000VA	125000VA
A.C. Output Max. Apparent Power	110000VA	137500VA
A.C. Output Rated Current	115.5A	144.3A
A.C. Output Max. Current	127A	158.8A
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)