

# Compliance Document

No. D 104339 0017 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

**Product:** **Converter**  
**GRID-CONNECTED PV INVERTER**

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704092001203-01

**Date,** 2022-01-21



( Zhengdong Ma )

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Model(s): **STT-50KTL, STT-60KTL, STT-50KTL-P, STT-60KTL-P**

## Parameters:

Model Name	STT-50KTL	STT-60KTL
PV input ratings		
D.C. Max. input voltage	1100VDC	1100VDC
D.C. MPPT voltage range	200-950VDC	200-950VDC
D.C. Max. input current	22/22/22/22/22/22A	22/22/22/22/22/22A
Isc PV	30/30/30/30/30/30A	30/30/30/30/30/30A
AC output ratings		
A.C. Output rated voltage	3/N/PE, 230/400V	3/N/PE, 230/400V
A.C. Output rated frequency	50/60Hz	50/60Hz
A.C. Output rated power	50000W	60000W
A.C. Output Max. apparent power	55000VA	66000VA
A.C. Output Rated current	72.5A	87A
A.C. Output Max. current	83.6A	95.3A
Power factor	0.8 leading...0.8 lagging	
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-50KTL-P	STT-60KTL-P
PV input ratings		
D.C. Max. input voltage	1100VDC	1100VDC
D.C. MPPT voltage range	160-1000VDC	160-1000VDC
D.C. Max. input current	26/26/26/26/26/26A	26/26/26/26/26/26A
Isc PV	40/40/40/40/40/40A	40/40/40/40/40/40A
AC output ratings		
A.C. Output rated voltage	3/N/PE, 230/400V	3/N/PE, 230/400V
A.C. Output rated frequency	50/60Hz	50/60Hz
A.C. Output rated power	50000W	60000W
A.C. Output Max. apparent power	55000VA	66000VA
A.C. Output Rated current	72.5A	87A
A.C. Output Max. current	83.6A	95.3A
Power factor	0.8 leading...0.8 lagging	
Protection class	I	
Ingress protection	IP65	
Overvoltage category	II(PV), III(MAINS)	
Operating temperature range	-30°C ... +60°C	
Operating altitude	3000m	

**Tested  
according to:**

IEC 61727:2004  
 IEC 62116:2014  
 IEC 61683:1999  
 IEC 60068-2-1:2007  
 IEC 60068-2-2:2007  
 IEC 60068-2-14:2009  
 IEC 60068-2-30:2005