

Compliance Document

No. D 104339 0015 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

Test report no.: 704092001202-01

Date, 2022-01-21



(Zhengdong Ma)

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Model(s):

**STT-6KTL, STT-8KTL, STT-10KTL, STT-12KTL,
STT-15KTL, STT-17KTL, STT-20KTL, STT-25KTL
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-6KTL	STT-8KTL	STT-10KTL	STT-12KTL
PV input ratings				
D.C. Max. input voltage	1100VDC	1100VDC	1100VDC	1100VDC
D.C. MPPT voltage range	200-950VDC	200-950VDC	200-950VDC	200-950VDC
D.C. Max. input current	11/11A	11/11A	11/11A	11/11A
Isc PV	15/15A	15/15A	15/15A	15/15A
AC output ratings				
A.C. Output rated voltage	3/N/PE, 230/400V	3/N/PE, 230/400V	3/N/PE, 230/400V	3/N/PE, 230/400V
A.C. Output rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
A.C. Output rated power	6000W	8000W	10000W	12000W
A.C. Output Max. apparent power	6600VA	8800VA	11000VA	13200VA
A.C. Output Rated current	8.7A	11.6A	14.5A	17.4A
A.C. Output Max. current	10A	13.3A	16.5A	20A
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-6KTL-P	STT-8KTL-P	STT-10KTL-P	STT-12KTL-P
PV input ratings				
D.C. Max. input voltage	1100VDC	1100VDC	1100VDC	1100VDC
D.C. MPPT voltage range	160-1000VDC	160-1000VDC	160-1000VDC	160-1000VDC
D.C. Max. input current	15/15A	15/15A	15/15A	15/15A
Isc PV	20/20A	20/20A	20/20A	20/20A
AC output ratings				
A.C. Output rated voltage	3/N/PE, 230/400V	3/N/PE, 230/400V	3/N/PE, 230/400V	3/N/PE, 230/400V
A.C. Output rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
A.C. Output rated power	6000W	8000W	10000W	12000W
A.C. Output Max. apparent power	6600VA	8800VA	11000VA	13200VA
A.C. Output Rated current	8.7A	11.6A	14.5A	17.4A
A.C. Output Max. current	10A	13.3A	16.5A	20A
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			

Model Name	STT-15KTL	STT-17KTL	STT-20KTL	STT-25KTL
PV input ratings				
D.C. Max. input voltage	1100VDC	1100VDC	1100VDC	1100VDC
D.C. MPPT voltage range	200-950VDC	200-950VDC	200-950VDC	200-950VDC
D.C. Max. input current	11/22A	22/22A	22/22A	22/22A
Isc PV	15/30A	30/30A	30/30A	30/30A
AC output ratings				
A.C. Output rated voltage	3/N/PE, 230/400V	3/N/PE, 230/400V	3/N/PE, 230/400V	3/N/PE, 230/400V
A.C. Output rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
A.C. Output rated power	15000W	17000W	20000W	25000W
A.C. Output Max. apparent power	16500VA	18700VA	22000VA	25000VA
A.C. Output Rated current	21.7A	24.6A	29A	36.2A
A.C. Output Max. current	25A	28.4A	31.9A	39A
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-15KTL-P	STT-17KTL-P	STT-20KTL-P	STT-25KTL-P
PV input ratings				
D.C. Max. input voltage	1100VDC	1100VDC	1100VDC	1100VDC
D.C. MPPT voltage range	160-1000VDC	160-1000VDC	160-1000VDC	160-1000VDC
D.C. Max. input current	15/30A	30/30A	30/30A	30/30A
Isc PV	20/40A	40/40A	40/40A	40/40A
AC output ratings				
A.C. Output rated voltage	3/N/PE, 230/400V	3/N/PE, 230/400V	3/N/PE, 230/400V	3/N/PE, 230/400V
A.C. Output rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
A.C. Output rated power	15000W	17000W	20000W	25000W
A.C. Output Max. apparent power	16500VA	18700VA	22000VA	25000VA
A.C. Output Rated current	21.7A	24.6A	29A	36.2A
A.C. Output Max. current	25A	28.4A	31.9A	39A
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			

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