

# Compliance Document

No. D 104339 0032 Rev. 01

**Holder of Certificate:** **Ningbo Sunways Technologies Co.,Ltd.**

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PEOPLE'S REPUBLIC OF CHINA

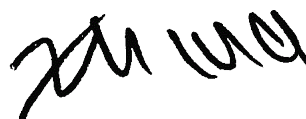
**Product:**

**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.:** 704092001216-01

**Date,** 2021-12-17



( Zhengdong Ma )

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**Model(s):** STT-4KTL, STT-5KTL, STT-6KTL, STT-8KTL, STT-10KTL, STT-12KTL, STT-15KTL, STT-17KTL, STT-20KTL, STT-25KTL, 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	STT-5KTL	STT-6KTL	STT-8KTL
PV input ratings				
D.C. Max. input voltage	DC 1100V			
D.C. MPPT voltage range	DC 200-950V			
D.C. Max. input current	11/11A			
Isc PV	15/15A			
AC output ratings				
A.C. Output rated voltage	3/N/PE~, 230/400Va.c.			
A.C. Output rated frequency	50Hz			
A.C. Output rated power	4000W	5000W	6000W	8000W
A.C. Output Max. apparent power	4400VA	5500VA	6600VA	8800VA
A.C. Output Rated current	5.8A	7.3A	8.7A	11.6A
A.C. Output Max. current	6.7A	8.4A	10A	13.3A
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			
Firmware version	V1.0			

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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	15/15A			
Isc PV	20/20A			
AC output ratings				
A.C. Output rated voltage	3/N/PE~, 230/400Va.c.			
A.C. Output rated frequency	50Hz			
A.C. Output rated power	4000W	5000W	6000W	8000W
A.C. Output Max. apparent power	4400VA	5500VA	6600VA	8800VA
A.C. Output Rated current	5.8A	7.3A	8.7A	11.6A
A.C. Output Max. current	6.7A	8.4A	10A	13.3A
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			

Model Name	STT-10KTL	STT-12KTL	STT-15KTL	STT-17KTL
PV input ratings				
D.C. Max. input voltage	DC 1100V			
D.C. MPPT voltage range	DC 200-950V			
D.C. Max. input current	11/11A		11/22A	22/22A
Isc PV	15/15A		15/30A	30/30A
AC output ratings				
A.C. Output rated voltage	3/N/PE~, 230/400Va.c.			
A.C. Output rated frequency	50Hz			
A.C. Output rated power	10000W	12000W	15000W	17000W
A.C. Output Max. apparent power	11000VA	13200VA	16500VA	18700VA
A.C. Output Rated current	14.5A	17.4A	21.7A	24.6A
A.C. Output Max. current	16.5A	20A	25A	28.4A
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-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	15/15A		15/30A	30/30A
Isc PV	20/20A		20/40A	40/40A
AC output ratings				
A.C. Output rated voltage	3/N/PE~, 230/400Va.c.			
A.C. Output rated frequency	50Hz			
A.C. Output rated power	10000W	12000W	15000W	17000W
A.C. Output Max. apparent power	11000VA	13200VA	16500VA	18700VA
A.C. Output Rated current	14.5A	17.4A	21.7A	24.6A
A.C. Output Max. current	16.5A	20A	25A	28.4A
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-20KTL	STT-25KTL
PV input ratings		
D.C. Max. input voltage	DC 1100V	
D.C. MPPT voltage range	DC 200-950V	
D.C. Max. input current	22/22A	
Isc PV	30/30A	
AC output ratings		
A.C. Output rated voltage	3/N/PE~, 230/400Va.c.	
A.C. Output rated frequency	50Hz	
A.C. Output rated power	20000W	25000W
A.C. Output Max. apparent power	22000VA	25000VA
A.C. Output Rated current	29A	36.2A
A.C. Output Max. current	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-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	30/30A	
Isc PV	40/40A	
AC output ratings		
A.C. Output rated voltage	3/N/PE~, 230/400Va.c.	
A.C. Output rated frequency	50Hz	
A.C. Output rated power	20000W	25000W
A.C. Output Max. apparent power	22000VA	25000VA
A.C. Output Rated current	29A	36.2A
A.C. Output Max. current	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:**

CEI 0-21:2019/V1:2020