

Compliance Document

No. D 104339 0024 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

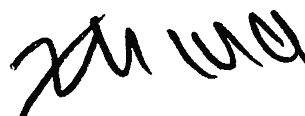
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Test report no.:

704091914505-01

Date,

2023-08-18



(Zhengdong Ma)

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Model(s):

STS-3KTL, STS-3.6KTL, STS-4.2KTL, STS-4.6KTL,
STS-5KTL, STS-6KTL, STS-3KTL-P, STS-3.6KTL-P,
STS-4.2KTL-P, STS-4.6KTL-P, STS-5KTL-P, STS-6KTL-P

Parameters:

Model Name	STS-3KTL	STS-3.6KTL	STS-4.2KTL
PV Input ratings			
D.C. Max. Input Voltage	600 V	600 V	600 V
D.C. MPPT Voltage Range	100-550 V	100-550 V	100-550 V
D.C. Max. Input Current	12.5/12.5 A	12.5/12.5 A	12.5/12.5 A
Isc PV	15/15 A	15/15 A	15/15 A
AC Output ratings			
A.C. Output rated Voltage	230 V	230 V	230 V
A.C. Output rated Frequency	50 HZ	50 HZ	50 HZ
A.C. Output rated Power	3000 W	3600 W	4200 W
A.C. Output Max. Apparent Power	3300 VA	3960 VA	4600 VA
A.C. Output rated Current	13 A	15.7 A	18.3 A
A.C. Output Max. Current	15 A	18 A	21 A
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	STS-4.6KTL	STS-5KTL	STS-6KTL
PV Input ratings			
D.C. Max. Input Voltage	600 V	600 V	600 V
D.C. MPPT Voltage Range	100-550 V	100-550 V	100-550 V
D.C. Max. Input Current	12.5/12.5 A	12.5/12.5 A	12.5/12.5 A
Isc PV	15/15 A	15/15 A	15/15 A
AC Output ratings			
A.C. Output rated Voltage	230 V	230 V	230 V
A.C. Output rated Frequency	50 HZ	50 HZ	50 HZ
A.C. Output rated Power	4600 W	5000 W	6000 W
A.C. Output Max. Apparent Power	4600 VA	5500 VA	6600 VA
A.C. Output rated Current	20 A	21.7 A	26.1 A
A.C. Output Max. Current	21 A	25 A	28.7 A
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	STS-3KTL-P	STS-3.6KTL-P	STS-4.2KTL-P
PV Input ratings			
D.C. Max. Input Voltage	600 V	600 V	600 V
D.C. MPPT Voltage Range	100-550 V	100-550 V	100-550 V
D.C. Max. Input Current	15/15 A	15/15 A	15/15 A
Isc PV	20/20 A	20/20 A	20/20 A
AC Output ratings			
A.C. Output rated Voltage	230 V	230 V	230 V
A.C. Output rated Frequency	50 HZ	50 HZ	50 HZ
A.C. Output rated Power	3000 W	3600 W	4200 W
A.C. Output Max. Apparent Power	3300 VA	3960 VA	4600 VA
A.C. Output rated Current	13 A	15.7 A	18.3 A
A.C. Output Max. Current	15 A	18 A	21 A
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	STS-4.6KTL-P	STS-5KTL-P	STS-6KTL-P
PV Input ratings			
D.C. Max. Input Voltage	600 V	600 V	600 V
D.C. MPPT Voltage Range	100-550 V	100-550 V	100-550 V
D.C. Max. Input Current	15/15 A	15/15 A	15/15 A
Isc PV	20/20 A	20/20 A	20/20 A
AC Output ratings			
A.C. Output rated Voltage	230 V	230 V	230 V
A.C. Output rated Frequency	50 HZ	50 HZ	50 HZ
A.C. Output rated Power	4600 W	5000 W	6000 W
A.C. Output Max. Apparent Power	4600 VA	5500 VA	6600 VA
A.C. Output rated Current	20 A	21.7 A	26.1 A
A.C. Output Max. Current	21 A	25 A	28.7 A
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:**

EN 50549-1:2019