



Product Service

# Compliance Document

No. D 104339 0016 Rev. 01

**Holder of Certificate:** **Ningbo Sunways Technologies Co.,Ltd.**  
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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.:** 704092001201-01

**Date,** 2022-01-21

( 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	600V	600V	600V
D.C. MPPT voltage range	100-550V	100-550V	100-550V
D.C. Max. input current	12.5/12.5A	12.5/12.5A	12.5/12.5A
Isc PV	15/15A	15/15A	15/15A
AC output ratings			
A.C. Output rated voltage	230V	230V	230V
A.C. Output rated frequency	50/60Hz	50/60Hz	50/60Hz
A.C. Output rated power	3000W	3600W	4200W
A.C. Output Max. apparent power	3300VA	3960VA	4600VA
A.C. Output Rated current	13A	15.7A	18.3A
A.C. Output Max. current	15A	18A	21A
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-3KTL-P	STS-3.6KTL-P	STS-4.2KTL-P
PV input ratings			
D.C. Max. input voltage	600V	600V	600V
D.C. MPPT voltage range	100-550V	100-550V	100-550V
D.C. Max. input current	15/15A	15/15A	15/15A
Isc PV	20/20A	20/20A	20/20A
AC output ratings			
A.C. Output rated voltage	230V	230V	230V
A.C. Output rated frequency	50/60Hz	50/60Hz	50/60Hz
A.C. Output rated power	3000W	3600W	4200W
A.C. Output Max. apparent power	3300VA	3960VA	4600VA
A.C. Output Rated current	13A	15.7A	18.3A
A.C. Output Max. current	15A	18A	21A
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-4.6KTL	STS-5KTL	STS-6KTL
PV input ratings			
D.C. Max. input voltage	600V	600V	600V
D.C. MPPT voltage range	100-550V	100-550V	100-550V
D.C. Max. input current	12.5/12.5A	12.5/12.5A	12.5/12.5A
Isc PV	15/15A	15/15A	15/15A
AC output ratings			
A.C. Output rated voltage	230V	230V	230V
A.C. Output rated frequency	50/60Hz	50/60Hz	50/60Hz
A.C. Output rated power	4600W	5000W	6000W
A.C. Output Max. apparent power	4600VA	5500VA	6600VA
A.C. Output Rated current	20A	21.7	26.1
A.C. Output Max. current	21A	25A	28.7
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	600V	600V	600V
D.C. MPPT voltage range	100-550V	100-550V	100-550V
D.C. Max. input current	15/15A	15/15A	15/15A
Isc PV	20/20A	20/20A	20/20A
AC output ratings			
A.C. Output rated voltage	230V	230V	230V
A.C. Output rated frequency	50/60Hz	50/60Hz	50/60Hz
A.C. Output rated power	4600W	5000W	6000W
A.C. Output Max. apparent power	4600VA	5500VA	6600VA
A.C. Output Rated current	20A	21.7	26.1
A.C. Output Max. current	21A	25A	28.7
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