

Compliance Document

No. D 104339 0065 Rev. 00

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

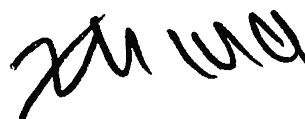
No. 1, Second Road
Green Industrial Zone
Chongshou Town
315334 Cixi, Ningbo, Zhejiang
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
HYBRID 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.: 704092101617-00

Date, 2021-12-08



(Zhengdong Ma)

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Models	STH-3KTL-HSS	STH-3.6KTL-HSS	STH-3KTL-HS	STH-3.6KTL-HS	STH-4.2KTL-HS
PV Port					
D.C. Max. Input Voltage:	600 Vd.c.	600 Vd.c.	600 Vd.c.	600 Vd.c.	600 Vd.c.
D.C. MPPT Voltage Range:	100-550 Vd.c.	100-550 Vd.c.	100-550 Vd.c.	100-550 Vd.c.	100-550 Vd.c.
D.C. Max. Input Current:	15 Ad.c.	15 Ad.c.	15/15 Ad.c.	15/15 Ad.c.	15/15 Ad.c.
Isc PV:	20 Ad.c.	20 Ad.c.	20/20 Ad.c.	20/20 Ad.c.	20/20 Ad.c.
Battery Port					
Battery Voltage Range:	85-500 Vd.c.	85-500 Vd.c.	85-500 Vd.c.	85-500 Vd.c.	85-500 Vd.c.
Battery Max. Charge/Discharge Current:	30/30 Ad.c.	30/30 Ad.c.	30/30 Ad.c.	30/30 Ad.c.	30/30 Ad.c.
Battery Type:	Li-Ion	Li-Ion	Li-Ion	Li-Ion	Li-Ion
AC Input Port					
AC Input Nominal Voltage:	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V
AC Input Nominal Frequency:	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
AC Input Max. Current:	27.3 Aa.c.	32.7 Aa.c.	27.3 Aa.c.	32.7 Aa.c.	38.2 Aa.c.
AC Input Max. Apparent Power:	6000 VA	7200 VA	6000 VA	7200 VA	8400 VA

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Models	STH-3KTL-HSS	STH-3.6KTL-HSS	STH-3KTL-HS	STH-3.6KTL-HS	STH-4.2KTL-HS
AC Output Port					
A.C. Output Nominal Voltage:	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V
A.C. Output Nominal Frequency:	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
A.C. Output Rated Power:	3000 W	3600 W	3000 W	3600 W	4200 W
A.C. Output Rated Apparent Power:	3000 VA	3600 VA	3000 VA	3600 VA	4200 VA
A.C. Output Max. Apparent Power:	3300 VA	3960 VA	3300 VA	3960 VA	4600 VA
A.C. Output Rated Current:	13 Aa.c.	15.7 Aa.c.	13 Aa.c.	15.7 Aa.c.	18.3 Aa.c.
A.C. Output Max. Current:	15 Aa.c.	18 Aa.c.	15 Aa.c.	18 Aa.c.	21 Aa.c.
Power Factor:	0.8leading... 0.8lagging	0.8leading... 0.8lagging	0.8leading... 0.8lagging	0.8leading... 0.8lagging	0.8leading... 0.8lagging

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Models	STH-3KTL-HSS	STH-3.6KTL-HSS	STH-3KTL-HS	STH-3.6KTL-HS	STH-4.2KTL-HS
Back-up Output Port					
Back-up Output Nominal Voltage:	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V
Back-up Output Nominal Frequency:	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Back-up Output Rated Power:	3000 W	3600 W	3000 W	3600 W	4200 W
Back-up Output Rated Apparent Power:	3000 VA	3600 VA	3000 VA	3600 VA	4200 VA
Back-up Output Max. Apparent Power:	3300 VA	3960 VA	3300 VA	3960 VA	4600 VA
General Data					
Operating Attitude:	3000 m				
Protective Class:	I				
Ingress Protection:	IP65				
Overvoltage Category:	II(DC), III(AC)				
Operating Temperature Range:	-30°C ... +60°C				
Communication:	WiFi / LAN(Optional)				
Inverter Topology:	Non-isolated				

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Models	STH-4.6KTL-HS	STH-5KTL-HS	STH-6KTL-HS	STH-7KTL-HS	STH-8KTL-HS
PV Port					
D.C. Max. Input Voltage:	600 Vd.c.	600 Vd.c.	600 Vd.c.	600 Vd.c.	600 Vd.c.
D.C. MPPT Voltage Range:	100-550 Vd.c.	100-550 Vd.c.	100-550 Vd.c.	100-550 Vd.c.	100-550 Vd.c.
D.C. Max. Input Current:	15/15 Ad.c.	15/15 Ad.c.	15/15 Ad.c.	15/15 Ad.c.	15/15 Ad.c.
Isc PV:	20/20 Ad.c.	20/20 Ad.c.	20/20 Ad.c.	20/20 Ad.c.	20/20 Ad.c.
Battery Port					
Battery Voltage Range:	85-500 Vd.c.	85-500 Vd.c.	85-500 Vd.c.	85-500 Vd.c.	85-500 Vd.c.
Battery Max. Charge/Discharge Current:	30/30 Ad.c.	30/30 Ad.c.	30/30 Ad.c.	30/30 Ad.c.	30/30 Ad.c.
Battery Type:	Li-Ion	Li-Ion	Li-Ion	Li-Ion	Li-Ion
AC Input Port					
AC Input Nominal Voltage:	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V
AC Input Nominal Frequency:	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
AC Input Max. Current:	41.8 Aa.c.	45.5 Aa.c.	54.5 Aa.c.	54.5 Aa.c.	54.5 Aa.c.
AC Input Max. Apparent Power:	9200 VA	10000 VA	12000 VA	12000 VA	12000 VA

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Models	STH-4.6KTL-HS	STH-5KTL-HS	STH-6KTL-HS	STH-7KTL-HS	STH-8KTL-HS
AC Output Port					
A.C. Output Nominal Voltage:	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V
A.C. Output Nominal Frequency:	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
A.C. Output Rated Power:	4600 W	5000 W	6000 W	7000 W	8000 W
A.C. Output Rated Apparent Power:	4600 VA	5000 VA	6000 VA	7000 VA	8000 VA
A.C. Output Max. Apparent Power:	4600 VA	5500 VA	6600 VA	7700 VA	8000 VA
A.C. Output Rated Current:	20 Aa.c.	21.7 Aa.c.	26.1 Aa.c.	31.8 Aa.c.	36.3 Aa.c.
A.C. Output Max. Current:	21 Aa.c.	25 Aa.c.	28.7 Aa.c.	35 Aa.c.	36.3 Aa.c.
Power Factor:	0.8leading... 0.8lagging	0.8leading... 0.8lagging	0.8leading... 0.8lagging	0.8leading... 0.8lagging	0.8leading... 0.8lagging

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Models	STH-4.6KTL-HS	STH-5KTL-HS	STH-6KTL-HS	STH-7KTL-HS	STH-8KTL-HS
Back-up Output Port					
Back-up Output Nominal Voltage:	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V	L/N/PE ~ 230 V
Back-up Output Nominal Frequency:	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Back-up Output Rated Power:	4600 W	5000 W	6000 W	7000 W	8000 W
Back-up Output Rated Apparent Power:	4600 VA	5000 VA	6000 VA	7000 VA	8000 VA
Back-up Output Max. Apparent Power:	4600 VA	5500 VA	6600 VA	7700 VA	8000 VA
General Data					
Operating Attitude:	3000 m				
Protective Class:	I				
Ingress Protection:	IP65				
Overvoltage Category:	II(DC), III(AC)				
Operating Temperature Range:	-30°C ... +60°C				
Communication:	WiFi / LAN(Optional)				
Inverter Topology:	Non-isolated				