

Compliance Document

No. D 104339 0071 Rev. 00

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

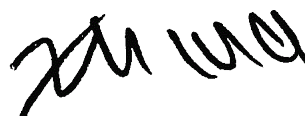
No. 1, Second Road
Green Industrial Zone
Chongshou Town
315334 Cixi, Ningbo, Zhejiang
PEOPLE'S REPUBLIC OF CHINA

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.: 704092101628-00

Date, 2022-06-07



(Zhengdong Ma)

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Model(s): **STH-4KTL-HT, STH-5KTL-HT, STH-6KTL-HT,
STH-8KTL-HT, STH-10KTL-HT, STH-12KTL-HT**

Parameters:

| Model | STH-4KTL-HT | STH-5KTL-HT | STH-6KTL-HT |
|---------------------------------------|----------------------------|---------------|-------------|
| PV Port: | | | |
| Max. Input Voltage | 1000 Vd.c. | | |
| Max. Input Current | 13/13 Ad.c. | | |
| Isc PV | 18/18 Ad.c. | | |
| MPPT Voltage Range | 150-850 Vd.c. | 200-850 Vd.c. | |
| Battery Port: | | | |
| Battery Voltage Range | 180-750 Vd.c. | | |
| Battery Max. charge/discharge Current | 25/25 Ad.c. | | |
| Battery Type | Li-Ion | | |
| A.C. Input Port: | | | |
| Input Nominal Voltage | 3/N/PE~, 230/400Va.c. | | |
| Input Nominal Frequency | 50 Hz | | |
| Input Max. Current | 11.6 Aa.c. | 14.5 Aa.c. | 17.4 Aa.c. |
| Input Max. Apparent Power | 8000 VA | 10000 VA | 12000 VA |
| A.C. Output Port: | | | |
| Output Rated Power | 4000 W | 5000 W | 6000 W |
| Output Rated Apparent Power | 4000 VA | 5000 VA | 6000 VA |
| Output Max. Apparent Power | 4400 VA | 5500 VA | 6600 VA |
| Output Max. Current | 6.7 Aa.c. | 8.3 Aa.c. | 10 Aa.c. |
| Output Rated Current | 5.8 Aa.c. | 7.3 Aa.c. | 8.7 Aa.c. |
| Output Nominal Voltage | 3/N/PE~, 230/400 Va.c. | | |
| Output Nominal Frequency | 50 Hz | | |
| Power Factor | 0,8 leading ...0,8 lagging | | |

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|-------------------------------------|-----------------------|---------|---------|
| Back-up Output Port: | | | |
| Back-up Output Nominal Voltage | 3/N/PE~, 230/400Va.c. | | |
| Back-up Output Nominal Frequency | 50 Hz | | |
| Back-up Output Rated Power | 4000 W | 5000 W | 6000 W |
| Back-up Output Rated Apparent Power | 4000 VA | 5000 VA | 6000 VA |
| Back-up Output Max. Apparent Power | 4400 VA | 5500 VA | 6600 VA |
| Others | | | |
| Operating Temperature Range | -30...+60 °C | | |
| Enclosure: Protection Class | IP65 | | |
| Operating Altitude | 3000 m | | |
| Communication | WiFi / LAN(Optional) | | |
| Inverter Topology | Non-isolated | | |

| | | | |
|---------------------------------------|------------------------|--------------|--------------|
| Model | STH-8KTL-HT | STH-10KTL-HT | STH-12KTL-HT |
| PV Port: | | | |
| Max. Input Voltage | 1000 Vd.c. | | |
| Max. Input Current | 13/13 Ad.c. | | |
| Isc PV | 18/18 Ad.c. | | |
| MPPT Voltage Range | 200-850 Vd.c. | | |
| Battery Port: | | | |
| Battery Voltage Range | 180-750 Vd.c. | | |
| Battery Max. charge/discharge Current | 25/25 Ad.c. | | |
| Battery Type | Li-Ion | | |
| A.C. Input Port: | | | |
| Input Nominal Voltage | 3/N/PE~, 230/400 Va.c. | | |
| Input Nominal Frequency | 50 Hz | | |
| Input Max. Current | 23.2 Aa.c. | 23.9 Aa.c. | 23.9 Aa.c. |
| Input Max. Apparent Power | 16000 VA | 16500 VA | 16500 VA |

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|-------------------------------------|----------------------------|------------|------------|
| A.C. Output Port: | | | |
| Output Rated Power | 8000 W | 10000 W | 12000 W |
| Output Rated Apparent Power | 8000 VA | 10000 VA | 12000 VA |
| Output Max. Apparent Power | 8800 VA | 11000 VA | 13200 VA |
| Output Max. Current | 13.3 Aa.c. | 16.5 Aa.c. | 20 Aa.c. |
| Output Rated Current | 11.6 Aa.c. | 14.5 Aa.c. | 17.4 Aa.c. |
| Output Nominal Voltage | 3/N/PE~, 230/400 Va.c. | | |
| Output Nominal Frequency | 50 Hz | | |
| Power Factor | 0.8 leading ...0.8 lagging | | |
| Back-up Output Port | | | |
| Back-up Output Nominal Voltage | 3/N/PE~, 230/400 Va.c. | | |
| Back-up Output Nominal Frequency | 50 Hz | | |
| Back-up Output Rated Power | 8000 W | 10000 W | 12000 W |
| Back-up Output Rated Apparent Power | 8000 VA | 10000 VA | 12000 VA |
| Back-up Output Max. Apparent Power | 8800 VA | 11000 VA | 13200 VA |
| Others | | | |
| Operating Temperature Range | -30...+60°C | | |
| Enclosure: Protection Class | IP65 | | |
| Operating Altitude | 3000 m | | |
| Communication | WiFi / LAN(Optional) | | |
| Inverter Topology | Non-isolated | | |

Tested according to:

C10/11:2021