

CERTIFICATE OF CONFORMITY

Issued to: Ningbo Sunways Technologies Co., Ltd.
No.1, Second Road, Green Industrial Zone, Chongshou Town 315334 Cixi, Ningbo,
Zhejiang, P.R. China

For the product: Hybrid Inverter

Trade name: **sunways**

Type/Model: STH-3KTL-LSS, STH-3.6KTL-LSS, STH-4KTL-LS, STH-4.6KTL-LS, STH-5KTL-LS,
STH-6KTL-LS, STH-7.5KTL-LS, STH-8KTL-LS

Ratings: See Annex

Manufactured by: Ningbo Sunways Technologies Co., Ltd.
No.1, Second Road, Green Industrial Zone, Chongshou Town 315334 Cixi, Ningbo,
Zhejiang, P.R. China

Requirements: EN 50549-1:2019; EN 50549-1:2019/A1:2023
EN 50549-10:2022

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in
a confidential file no. 6234686.50

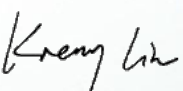
The examination has been carried out on one single specimen of the product. The Attestation does not include
an assessment of the manufacturer's production. Conformity of this production with the specimen tested by
DEKRA is not the responsibility of DEKRA.

This Test Certificate expires at the latest on 2030-12-30 or expires upon withdrawal of one of the above
mentioned standards.

Shanghai, 2025-12-30

Certificate Number: 6234686.01COC

DEKRA Testing and Certification (Shanghai) Ltd.


Kreny Lin
Certification Manager

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PCA-141

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ESA-CER-F021 v4.1

Ratings of the test product:

Operating temperature range: - 25°C to + 60°C
Protective class: I, Ingress protection rating: IP66
Power factor range (adjustable): 0.8 leading ~0.8 lagging
Altitude (m): 3000

STH-3KTL-LSS:

PV input: Max.600 Vdc, MPPT voltage range: 80-550 Vdc,
Max. Input Current: 20 A, Isc PV current: 25 A,
Number of MPPT channel: 1
Battery Voltage Range 40-60 Vdc
Max. Charge Current 80 A, Max. Discharge Current 80 A
AC output: L/N/PE, 230 Vac, 50/60 Hz
Rated output power 3000 W, Max apparent power 3300 VA
Rated output current 13 A, Max. AC current 15 A

STH-3.6KTL-LSS:

PV input: Max.600 Vdc, MPPT voltage range: 80-550 Vdc,
Max. Input Current: 20 A, Isc PV current: 25 A,
Number of MPPT channel: 1
Battery Voltage Range 40-60 Vdc
Max. Charge Current 80 A, Max. Discharge Current 80 A
AC output: L/N/PE, 230 Vac, 50/60 Hz
Rated output power 3680 W, Max apparent power 3680 VA
Rated output current 16 A, Max. AC current 16 A

STH-4KTL-LS:

PV input: Max.600 Vdc, MPPT voltage range: 80-550 Vdc,
Max. Input Current: 20/20 A, Isc PV current: 25/25 A,
Number of MPPT channel: 2
Battery Voltage Range 40-60 Vdc
Max. Charge Current 100 A, Max. Discharge Current 100 A
AC output: L/N/PE, 230 Vac, 50/60 Hz
Rated output power 4000 W, Max apparent power 4400 VA
Rated output current 17.4 A, Max. AC current 20 A

STH-4.6KTL-LS:

PV input: Max.600 Vdc, MPPT voltage range: 80-550 Vdc,
Max. Input Current: 20/20 A, Isc PV current: 25/25 A,
Number of MPPT channel: 2
Battery Voltage Range 40-60 Vdc
Max. Charge Current 100 A, Max. Discharge Current 100 A
AC output: L/N/PE, 230 Vac, 50/60 Hz
Rated output power 4600 W, Max apparent power 5060 VA
Rated output current 20 A, Max. AC current 23 A

STH-5KTL-LS:

PV input: Max.600 Vdc, MPPT voltage range: 80-550 Vdc,
Max. Input Current: 20/20 A, Isc PV current: 25/25 A,
Number of MPPT channel: 2
Battery Voltage Range 40-60 Vdc
Max. Charge Current 120 A, Max. Discharge Current 120 A
AC output: L/N/PE, 230 Vac, 50/60 Hz
Rated output power 5000 W, Max apparent power 5500 VA
Rated output current 21.7 A, Max. AC current 25 A

STH-6KTL-LS:

PV input: Max.600 Vdc, MPPT voltage range: 80-550 Vdc,
Max. Input Current: 20/20 A, Isc PV current: 25/25 A,
Number of MPPT channel: 2
Battery Voltage Range 40-60 Vdc
Max. Charge Current 120 A, Max. Discharge Current 120 A
AC output: L/N/PE, 230 Vac, 50/60 Hz
Rated output power 6000 W, Max apparent power 6600 VA
Rated output current 26.1 A, Max. AC current 30 A

STH-7.5KTL-LS:

PV input: Max.600 Vdc, MPPT voltage range: 80-550 Vdc,
Max. Input Current: 20/20 A, Isc PV current: 25/25 A,
Number of MPPT channel: 2
Battery Voltage Range 40-60 Vdc
Max. Charge Current 160 A, Max. Discharge Current 160 A
AC output: L/N/PE, 230 Vac, 50/60 Hz
Rated output power 7500 W, Max apparent power 8250 VA
Rated output current 32.6 A, Max. AC current 37.5 A

STH-8KTL-LS:

PV input: Max.600 Vdc, MPPT voltage range: 80-550 Vdc,
Max. Input Current: 20/20 A, Isc PV current: 25/25 A,
Number of MPPT channel: 2
Battery Voltage Range 40-60 Vdc
Max. Charge Current 160 A, Max. Discharge Current 160 A
AC output: L/N/PE, 230 Vac, 50/60 Hz
Rated output power 8000 W, Max apparent power 8800 VA
Rated output current 34.8 A, Max. AC current 40 A

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