

ATTESTATION OF CONFORMITY

Issued to: Ningbo Sunways Technologies Co., Ltd.
No.1, Second Road, Green Industrial Zone, Chongshou Town, 315334 Cixi, Ningbo,
ZheJiang, PEOPLE'S REPUBLIC OF 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 model list

Manufactured by: Ningbo Sunways Technologies Co., Ltd.
No.1, Second Road, Green Industrial Zone, Chongshou Town, 315334 Cixi, Ningbo,
ZheJiang, PEOPLE'S REPUBLIC OF CHINA

Subject: Complete evaluation of electrical system of the appliances

Requirements: EN IEC 61000-6-1:2019
EN IEC 61000-6-2:2019
EN IEC 61000-6-3:2021
EN IEC 61000-6-4:2019
EN IEC 61000-3-2:2019+A1:2021+A2:2024
EN 61000-3-3:2013+A1:2019+A2:2021
EN IEC 61000-3-11:2019
EN 61000-3-12:2011+A1:2024
EN 62920:2017+A11:2020+A1:2021

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a test file / test report no. 6234683.50+6234683.51

This Attestation implies that the examined types are in accordance with the standards designated under the Electromagnetic compatibility directive 2014/30/EU.

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. 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 document does not authorize the use of any DEKRA approved mark.

Arnhem, 20 August 2025

Number: 6234683.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.


Kreny Lin
Certification Manager

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Annex

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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
PV Input								
Max. DC Input Voltage (V)	600							
Rated DC Input Voltage (V)	360							
MPPT Voltage Range (V)	80-550							
No. of MPP Trackers	1	1	2	2	2	2	2	2
No. of DC Inputs per MPPT	1	1	1/1	1/1	1/1	1/1	1/1	1/1
Max. Input Current (A)	20	20	20/20	20/20	20/20	20/20	20/20	20/20
Max. Short-circuit Current (A)	25	25	25/25	25/25	25/25	25/25	25/25	25/25
Battery								
Battery Type	Lithium battery (with BMS)/Lead Acid							
Battery voltage range (V)	40-60							
Maximum charging current (A)	80	80	100	100	120	120	160	160
Maximum discharge current (A)	80	80	100	100	120	120	160	160
Output (Grid)								
Rated Output Power (kW)	3	3.68	4	4.6	5	6	7.5	8
Max. Output Power (kW)	3.3	3.68	4.4	5.06	5.5	6.6	8.25	8.8
AC output rated apparent power (kVA)	3	3.68	4	4.6	5	6	7.5	8
Max. Apparent Power (kVA)	3.3	3.68	4.4	5.06	5.5	6.6	8.25	8.8
Rated Output Voltage (V)	L/N/PE, 220/230							
Rated AC Frequency (Hz)	50/60							
AC output rated current (A)	13	16	17.4	20	21.7	26.1	32.6	34.8

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Max. Output Current (A)	15	16	20	23	25	30	37.5	40
Power Factor	0.8 leading 0.8 lagging							
Output (Back-up)								
Rated Output Power (kW)	3	3.68	4	4.6	5	6	7.5	8
Max. Output Power (kW)	3.3	3.68	4.4	5.06	5.5	6.6	8.25	8.8
Back-up output rated apparent power (kVA)	3	3.68	4	4.6	5	6	7.5	8
Max. Apparent Power (kVA)	3.3	3.68	4.4	5.06	5.5	6.6	8.25	8.8
Back-up output rated current (A)	13	16	17.4	20	21.7	26.1	32.6	34.8
Max. Output Current (A)	15	16	20	23	25	30	37.5	40
Rated Output Voltage (V)	L/N/PE, 220/230							
Rated AC Frequency (Hz)	50/60							

End