CERTIFICATE 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 Annex
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
Requirements:	NRS 097-2-1:2024 Edition 3

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6234688.50.

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 2030-11-17 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 2025-11-17 Certificate Number: 6234688.01COC

DEKRA Testing and Certification (Shanghai) Ltd.

Kreny Lin
Certification Manager

PCA-141

DEKRA Testing and Certification (Shanghai) Ltd.
No.250, Jiangchangsan Road, Jing'an District, Shanghai, 200436 People's Republic of China
T +86 21 6056 7600 F +86 21 6056 7555 www.dekra-product-safety.com

Annex to 6234688.01COC

Ratings of the test product:

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								
Vmax PV (Vdc) (absolute Max.)	600	600	600	600	600	600	600	600
Rated DC Input Voltage (Vdc)	360	360	360	360	360	360	360	360
Isc PV (absolute Max.) (A)	25	25	25 / 25	25 / 25	25 / 25	25 / 25	25 / 25	25 / 25
Max. Input Current (A)	20	20	20 / 20	20 / 20	20 / 20	20 / 20	20 / 20	20 / 20
MPPT Voltage Range (Vdc)	80-550	80-550	80-550	80-550	80-550	80-550	80-550	80-550
No. of MPP Trackers	1	1	2	2	2	2	2	2
No. of DC Input per MPPT	1	1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Battery Input								
Battery Voltage Range (Vdc)	40-60	40-60	40-60	40-60	40-60	40-60	40-60	40-60
Max. Charge / Discharge Current	80 / 80	80 / 80	100/ 100	100/ 100	120 / 120	120 / 120	160 / 160	160 / 160
AC Grid (output)								
Rated Output Voltage (Vac)	L/N/PE, 220 / 230							
Frequency (Hz)	50 / 60							
Rated Output 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 Power (W)	3000	3680	4000	4600	5000	6000	7500	8000
Max. Output Power (W)	3300	3600	4400	5060	5500	6600	8250	8800
Rated Apparent Power (VA)	3000	3680	4000	4600	5000	6000	7500	8000
Max. Apparent Power (VA)	3300	3680	4400	5060	5500	6600	8250	8800
Power factor (adjustable)	0.8 leading … 0.8 lagging							
Others								
Protective class	Class I							
Ingress protection (IP)	IP66							
Operating Temperature	-25°C to +60°C							
Topology	Non-isolated							
Overvoltage category	OVC III (AC Main), OVC II (PV)							

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