

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: IEC 62109-1:2010, EN 62109-1:2010
IEC 62109-2:2011, EN 62109-2:2011

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6234684.50(A-B)

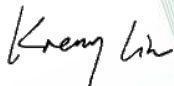
The examination has been carried out on one single specimen of the product. The Attestation does not include an assessment of the manufacturer's production. Conformity of this production with the specimen tested by DEKRA is not the responsibility of DEKRA.

This Test Certificate expires at the latest on 3 September 2030 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 3 September 2025

Number: 6234684.01COC

DEKRA Testing and Certification (Shanghai) Ltd.



Kreny Lin
Certification Manager

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PCA-141

Model	STH-3KTL-LSS	STH-3.6KT-L-LSS	STH-4KTL-LS	STH-4.6KT-L-LS	STH-5KTL-LS	STH-6KTL-LS	STH-7.5KT-L-LS	STH-8KTL-LS
PV								
Start-up Voltage (V)	58							
Max. DC Input Voltage (Vdc)	600							
Rated DC Input Voltage (Vdc)	360							
MPPT Voltage Range (Vdc)	80-550							
No. of MPP Trackers	1		2					
No. of DC Inputs per MPPT	1		1/1					
Max. Input Current (A)	20		20/20					
Max. Short-circuit Current (A)	25		25/25					
Battery								
Battery Type	Lithium battery (with BMS)/Lead Acid							
Battery Voltage Range (Vdc)	40-60							
Max. Charge Current (A)	80	80	100	100	120	120	160	160
Max. Discharge Current (A)	80	80	100	100	120	120	160	160
Output (Grid)								
Rated Output Power (W)	3000	3680	4000	4600	5000	6000	7500	8000
Max. Output Power (W)	3300	3680	4400	5060	5500	6600	8250	8800
AC Output Rated Apparent Power (VA)	3000	3680	4000	4600	5000	6000	7500	8000
Max. Apparent Power (VA)	3300	3680	4400	5060	5500	6600	8250	8800
Rated Output Voltage (Vac)	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
Max. Output Current (A)	15	16	20	23	25	30	37,5	40
Max. Output Overcurrent Protection (A)	50	50	50	50	80	80	80	80
Power Factor	0,8 leading ...0,8 lagging							
Output (Back-up)								
Rated Output Power (W)	3000	3680	4000	4600	5000	6000	7500	8000
Max. Output Power (W)	3300	3680	4400	5060	5500	6600	8250	8800
Back-up Output Rated Apparent Power (VA)	3000	3680	4000	4600	5000	6000	7500	8000
Max. Apparent Power (VA)	3300	3680	4400	5060	5500	6600	8250	8800
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 (Vac)	L/N/PE, 220/230
Rated AC Frequency (Hz)	50/60
General information:	
Over voltage category: III(Mains), II(PV), Operating temperature range: - 25 °C to + 60 °C, Relative Humidity (%): 0-100, Protective class: I, Ingress protection rating: IP66, Operating Altitude (m): 3000, Mounting Method: Wall Mounted, Cooling Method: Smart Fan Cooling	

END