

ATTESTATION 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: 

Type/Model: STH-4KTL-HT, STH-5KTL-HT, STH-6KTL-HT, STH-8KTL-HT, STH-10KTL-HT,
STH-12KTL-HT

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 62477-1:2012 + A1:2016
EN 62477-1:2012 + A1:2017

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6099918.50

This Attestation implies that the examined types are in accordance with the standards designated under the Low Voltage Directive (LVD) 2014/35/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 his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

The CE marking may be affixed on the product if all relevant and effective EC directives are complied with.

Arnhem, 24 June 2021

Number: 6099918.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.



Kreny Lin
Certification Manager

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Ratings of the test product:

Operating temperature range: - 30°C to + 60°C

Protective class: I

Ingress protection rating: IP65

Power factor range (adjustable): 0.8 leading...0.8 lagging

Overvoltage category: III(Mains), II(DC)

Operating altitude: 3000 m

Inverter topology: Non-isolated

STH-4KTL-HT:

PV input: Max 1000 Vdc, MPPT voltage range: 150-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 180-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac , 50 Hz, Rated AC output active power 4000 W, Max. AC output apparent power 4400 VA, Max 6.7 A

STH-5KTL-HT:

PV input: Max 1000 Vdc, MPPT voltage range: 150-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 180-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac , 50 Hz, Rated AC output active power 5000 W, Max. AC output apparent power 5500 VA, Max 8.3 A

STH-6KTL-HT:

PV input: Max 1000 Vdc, MPPT voltage range: 200-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 180-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac , 50 Hz, Rated AC output active power 6000 W, Max. AC output apparent power 6600 VA, Max 10.0 A

STH-8KTL-HT:

PV input: Max 1000 Vdc, MPPT voltage range: 200-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 180-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac , 50 Hz, Rated AC output active power 8000 W, Max. AC output apparent power 8800 VA, Max 13.3 A

STH-10KTL-HT:

PV input: Max 1000 Vdc, MPPT voltage range: 200-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 180-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac , 50 Hz, Rated AC output active power 10000 W, Max. AC output apparent power 11000 VA, Max 16.5 A

STH-12KTL-HT:

PV input: Max 1000 Vdc, MPPT voltage range: 200-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 180-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac , 50 Hz, Rated AC output active power 12000 W, Max. AC output apparent power 13200 VA, Max 20.0 A