

ATTESTATION OF CONFORMITY

Issued to: Jiangsu Essis New Energy Technology Co., Ltd.
No.029 Yangxing Road, Tongzhou District, Nantong City, Jiangsu Province, China

For the product: Hybrid Inverter

Trade name:



Type/Model: SUN-3K-H, SUN-3.6K-H, SUN-4K-H, SUN-4.6K-H,
SUN-5K-H, SUN-6K-H, SUN-7.5K-H, SUN-8K-H

Ratings: See model list

Manufactured by: Jiangsu Essis New Energy Technology Co., Ltd.
No.029 Yangxing Road, Tongzhou District, Nantong City, Jiangsu Province, 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. 6260988.50+6260988.51

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, 19 March 2026

Number: 6260988.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.


Kreny Lin
Certification Manager

© Integral publication of this attestation and adjoining reports is allowed

Page 1 of 3

DEKRA Testing and Certification (Shanghai) Ltd.
5F #250 Jiangchangsan Road Shibei Hi-Tech Park, 200436 Jing'an District, Shanghai, China
T +86 21 6056 7666 F +86 21 6056 7555 www.dekra-product-safety.com

Annex

Document no. : 6260988.01AOC

Model	SUN-3K-H	SUN-3.6K-H	SUN-4K-H	SUN-4.6K-H	SUN-5K-H	SUN-6K-H	SUN-7.5K-H	SUN-8K-H
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

Annex

Document no. : 6260988.01AOC

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