

ATTESTATION OF CONFORMITY

Issued to: Sieyuan Electric Co., Ltd.
3399 Huaning Road, Minhang District, Shanghai, P.R.China

For the product: Hybrid Inverter

Trade name: Sieyuan

Type/Model: SiH-2.5kW-SH, SiH-3kW-SH, SiH-3.6kW-SH, SiH-4kW-SH, SiH-5kW-SH,
SiH-6kW-SH

Ratings: See Annex

Manufactured by: Sieyuan Electric Co., Ltd.
3399 Huaning Road, Minhang District, Shanghai, P.R.China

Subject: Complete evaluation of electrical system of the appliances

Requirements: IEC 61000-6-1:2016, EN IEC 61000-6-1:2019
IEC 61000-6-3:2020, EN IEC 61000-6-3:2021

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. 6262082.51

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, 26 March 2026

Number: 6262082.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.



Caroline Chen
Certification Manager

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Annex

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Model list						
Model	SiH- 2.5kW- SH	SiH- 3kW-SH	SiH- 3.6kW- SH	SiH- 4kW-SH	SiH- 5kW-SH	SiH- 6kW-SH
PV input ratings						
Max. PV input power (W)	8000	10000	10700	11000	12000	13000
Max. PV input voltage (V)	600					
MPPT voltage range (V)	40-560					
No. of MPPT trace paths	2 (1/1)					
Max. PV input current(A)	32(16/16)					
Max. Short-circuit current (A)	40(20/20)					
Battery ratings						
Battery type	Li-ion					
Battery voltage (V)	80-460					
Max charge/discharge current (A)	30/30					
Max charge/discharge power (W)	6600/6600					
AC ratings (Grid)						
Rated output power (W)	2500	3000	3680	4000	5000	6000
Max. AC output apparent power (VA)	2500	3000	3680	4000	5000	6000
Max. AC output current (A)	11.4	13.7	16	18.2	22.8	27.3
Rated output voltage (V)	1/N/PE 230					
Rated output frequency (Hz)	50					
Adjustable power factor (cosφ)	0.8 leading to 0.8 lagging					
AC input ratings						
Rated input voltage (Va.c)	1/N/PE 220 1/N/PE 230 1/N/PE 240					
Max. AC input current (Aa.c)	11.4	13.7	16	18.2	22.8	27.3
Frequency range (Hz)	50/60					
AC output ratings (Backup)						
Rated output voltage (V)	1/N/PE 220 1/N/PE 230 1/N/PE 240					

Frequency range (Hz)	50/60(±0.5%)					
Rated/Max output power (W/VA)	2500/ 2500	3000/ 3000	3680/ 3680	4000/ 4000	5000/ 5000	6000/ 6000
Nominal current (A)	10.9	13.1	16	17.4	21.8	26.1
Environment limit						
Ingress protection (IP)	IP65					
Protective class	Class I					
Temperature (°C)	-25°C to +60°C (Derating >45°C)					
Inverter Isolation	<input checked="" type="checkbox"/> Non-isolated <input type="checkbox"/> High frequency isolated (Battery Side)					
Overvoltage category	OVC III (AC Main), OVC II (PV)					
Attitude (m)	4000					

End