

CERTIFICATE OF CONFORMITY



Issued to: Shanghai Sieyuan Watten Technology Co., Ltd.
Room 306, Building 1, HuaNing Road - No.3399 Minhang District 201108 Shanghai
PEOPLE'S REPUBLIC OF CHINA

For the product: Hybrid Inverter

Trade name: **Swatten**

Type/Model: SiH-9.9kW-TH-PRO, SiH-10kW-TH-PRO, SiH-12kW-TH, SiH-14.9kW-TH, SiH-15kW-TH, SiH-19.9kW-TH, SiH-20kW-TH, SiH-25kW-TH, SiH-29.9kW-TH, SiH-30kW-TH, SiH-40kW-TH, SiH-50kW-TH

Ratings: See Annex

Manufactured by: Shanghai Sieyuan Watten Technology Co., Ltd.
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Requirements: C10/11:2025 (Edition 2.4)

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6211980.52

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The certificate 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.

Shanghai, 5 January 2026

Certificate Number: 6211980.03COC

It expires at the latest on: 5 January 2028

DEKRA Testing and Certification (Shanghai) Ltd.

Cliff Lin
Certification Manager

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Accreditation of the certification body by IAS according to ISO/IEC 17065 for products.
Accreditation is valid in the areas of certification mentioned in the certificate.

PCA-141



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Document no. : 6211980.03COC

Model list:

Model	SiH-9.9kW-TH-PRO	SiH-10kW-TH-PRO	SiH-12kW-TH	SiH-14.9kW-TH
PV input ratings				
Max.PV input voltage (V)	1000			
Startup input voltage (V)	150			
Rated PV input voltage (V)	650			
MPPT voltage range (V)	150-950			
No. of MPPT trace paths	3			
Max. PV input current(A)	64(32/16/16)			
Max.Short-circuit current (A)	80(40/20/20)			
AC ratings (Grid)				
Rated output power (W)	9999	10000	12000	14999
Max. AC output apparent power (VA)	9999	10000	12000	14999
Rated AC output current (A)	15.2	15.2	18.2	22.8
Max.AC output current (A)	15.2	15.2	18.2	22.8
Rated output voltage (V)	3/N/PE 230/400			
Rated output frequency (Hz)	50			
Adjustable power factor (cosφ)	0.8 leading to 0.8 lagging			
AC output ratings (Backup)				
Rated output voltage (V)	230/400 (±2%)			
Frequency range (Hz)	50/60(±0.5%)			
Rated output power (W/VA)	9999/9999	10000/10000	12000/12000	14999/14999
Nominal current (A)	15.2	15.2	18.2	22.8
Battery ratings				
Battery type	Li-ion			
Battery voltage (V)	100-800			
Max charge/discharge current (A)	50/50			
Environment limit				
Weight (kg)	35			
Ingress protection (IP) rating	IP66			
Operating ambient temperature range	-25°C~60°C, de-rating > 45 °C	-25°C~60°C, de-rating > 45 °C	-25°C~60°C, de-rating > 45 °C	-25°C~60°C, de-rating > 45 °C
Max. operating altitude (m)	2000			
Protective class	Class I			

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Model	SiH-15kW-TH	SiH-19.9kW-TH	SiH-20kW-TH	SiH-25kW-TH
PV input ratings				
Max. PV input voltage (V)	1000			
Startup input voltage (V)	150			
Rated PV input voltage (V)	650			
MPPT voltage range (V)	150-950			
No. of MPPT trace paths	3			
Max. PV input current(A)	64(32/16/16)	80(32/32/16)		96(32/32/32)
Max. Short-circuit current (A)	80(40/20/20)	100(40/40/20)		120(40/40/40)
AC ratings (Grid)				
Rated output power (W)	15000	19999	20000	25000
Max. AC output apparent power (VA)	15000	19999	20000	25000
Rated AC output current (A)	22.8	30.3	30.3	37.9
Max. AC output current (A)	22.8	30.3	30.3	37.9
Rated output voltage (V)	3/N/PE 230/400			
Rated output frequency (Hz)	50			
Adjustable power factor (cosφ)	0.8 leading to 0.8 lagging			
AC output ratings (Backup)				
Rated output voltage (V)	230/400 (±2%)			
Frequency range (Hz)	50/60(±0.5%)			
Rated output power (W/VA)	15000 /15000	19999 /19999	20000/20000	25000/25000
Nominal current (A)	22.8	30.3	30.3	37.9
Battery ratings				
Battery type	Li-ion			
Battery voltage (V)	100-800			
Max charge/discharge current (A)	50/50			60/60
Environment limit				
Weight (kg)	35	36.5		38
Ingress protection (IP) rating	IP66			
Operating ambient temperature range	-25°C~60°C, de-rating > 45 °C	-25°C~60°C, de-rating > 45 °C	-25°C~60°C, de-rating > 45 °C	-25°C~60°C, de-rating > 45 °C
Max. operating altitude (m)	2000			
Protective class	Class I			

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Model	SiH-29.9kW-TH	SiH-30kW-TH	SiH-40kW-TH	SiH-50kW-TH
PV input ratings				
Max. PV input voltage (V)	1000			
Startup input voltage (V)	150			
Rated PV input voltage (V)	650			
MPPT voltage range (V)	150-950			
No. of MPPT trace paths	3			
Max. PV input current(A)	96(32/32/32)			
Max. Short-circuit current (A)	120(40/40/40)			
AC ratings (Grid)				
Rated output power (W)	29999	30000	40000	50000
Max. AC output apparent power (VA)	29999	30000	40000	50000
Rated AC output current (A)	45.5	45.5	60.6	75.8
Max. AC output current (A)	45.5	45.5	60.6	75.8
Rated output voltage (V)	3/N/PE 230/400			
Rated output frequency (Hz)	50			
Adjustable power factor (cosφ)	0.8 leading to 0.8 lagging			
AC output ratings (Backup)				
Rated output voltage (V)	230/400 (±2%)			
Frequency range (Hz)	50/60(±0.5%)			
Rated output power (W/VA)	29999 /29999	30000/30000	40000/40000	50000/50000
Nominal current (A)	45.5	45.5	60.6	75.8
Battery ratings				
Battery type	Li-ion			
Battery voltage (V)	100-800			
Max charge/discharge current (A)	60/60			65/65
Environment limit				
Weight (kg)	38		39.5	39.8
Ingress protection (IP) rating	IP66			
Operating ambient temperature range	-25°C~60°C, de-rating > 45 °C	-25°C~60°C, de-rating > 45 °C	-25°C~60°C, de-rating > 45 °C	25°C~60°C, de-rating > 45 °C
Max. operating altitude (m)	2000			
Protective class	Class I			

End