



Product Service

Attestation of Conformity

No. E8A 120194 0024 Rev. 00

Holder of Attestation: **Shanghai Sieyuan Watten Technology Co., Ltd.**

Room 306, Building 1, HuaNing Road - No.3399
Minhang District
201108 Shanghai
PEOPLE'S REPUBLIC OF CHINA

Name of Object: **Converter
Hybrid Inverter**

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: www.tuvsud.com/ps-cert

Test report no.: 4840824333400

Date, 2024-08-19

(Ming Gu)

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Model(s): 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

Description of Object:

Model	SiH-9.9kW-TH-PRO	SiH-10kW-TH-PRO	SiH-12kW-TH	SiH-14.9kW-TH
PV				
Max. Input Power	20000Wp	20000Wp	24000Wp	30000Wp
Max. Input Voltage	1000Vd.c.			
MPP Voltage Range	150...950Vd.c.	150...950Vd.c.	150...950Vd.c.	150...950Vd.c..
Max. Input Current	32A/16A/16Ad.c.	32A/16A/16Ad.c.	32A/16A/16Ad.c.	32A/16A/16Ad.c.
Short Circuit Current	40A/20A/20Ad.c.	40A/20A/20Ad.c.	40A/20A/20Ad.c.	40A/20A/20Ad.c.
BAT				
Voltage Range	150...800Vd.c.			
Max. Continuous Current	50A (charge) / 50Ad.c. (discharge)			
Max. Power	15000W(charge)/ 9999W(discharge)	15000W(charge)/ 10000W(discharge)	15000W(charge)/ 12000W(discharge)	30000W(charge)/ 14999W(discharge)
Battery Type	Li-ion			
AC output				
Rated Voltage a.c.	3/N/PE 220/380V, 3/N/PE 230/400V, 3/N/PE 240/415V			
Rated Active Power	9999W	10000W	12000W	14999W
Max. Apparent Power	9999VA	10000VA	12000VA	14999VA
Max. Current	15.2Aa.c	15.2Aa.c	18.2Aa.c	22.8Aa.c
Rated Frequency	50/60Hz			
Power Factor Range	-0.8...+0.8			
AC input				
Rated Voltage a.c.	3/N/PE 220/380V, 3/N/PE 230/400V, 3/N/PE 240/415V			
Max. Current	63Aa.c	63Aa.c	63Aa.c	63Aa.c
Rated Frequency	50/60Hz			
AC backup				
Rated Voltage a.c.	3/N/PE 220/380V, 3/N/PE 230/400V, 3/N/PE 240/415V			
Max. Active Power	9999W	10000W	12000W	14999W

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Max. Current	15.2Aa.c	15.2Aa.c	18.2Aa.c	22.8Aa.c
Rated Frequency	50/60Hz			
General Data				
Degree Of Protection	IP66			
Operating Ambient Temperature Range	-25~60°C			
Protective Class	Class I			
OVC	AC III , DC II			
Topology(Solar/BAT)	Transformerless			

Model	SiH-15kW-TH	SiH-19.9kW-TH	SiH-20kW-TH
PV			
Max. Input Power	30000Wp	40000Wp	40000Wp
Max. Input Voltage	1000Vd.c.		
MPP Voltage Range	150...950Vd.c.	150...950Vd.c.	150...950Vd.c.
Max. Input Current	32A/16A/16Ad.c.	32A/32A/16Ad.c.	32A/32A/16Ad.c.
Short Circuit Current	40A/20A/20Ad.c.	40A/40A/20Ad.c.	40A/40A/20Ad.c.
BAT			
Voltage Range	150...800Vd.c.		
Max. Continuous Current	50A (charge) / 50Ad.c. (discharge)		
Max. Power	30000W(charge)/ 15000W(discharge)	30000W(charge)/ 19999W(discharge)	30000W(charge)/ 20000W(discharge)
Battery Type	Li-ion		
AC output			
Rated Voltage a.c.	3/N/PE 220/380V, 3/N/PE 230/400V, 3/N/PE 240/415V		
Rated Active Power	15000W	19999W	20000W
Max. Apparent Power	15000VA	19999VA	20000VA
Max. Current	22.8Aa.c	30.3Aa.c	30.3Aa.c
Rated Frequency	50/60Hz		
Power Factor Range	-0.8...+0.8		
AC input			
Rated Voltage a.c.	3/N/PE 220/380V, 3/N/PE 230/400V, 3/N/PE 240/415V		
Max. Current	63Aa.c	63Aa.c	63Aa.c
Rated Frequency	50/60Hz		

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AC backup			
Rated Voltage a.c.	3/N/PE 220/380V,	3/N/PE 230/400V,	3/N/PE 240/415V
Max. Active Power	15000W	19999W	20000W
Max. Current	22.8Aa.c	30.3Aa.c	30.3Aa.c
Rated Frequency	50/60Hz		
General Data			
Degree Of Protection	IP66		
Operating Ambient Temperature Range	-25~60°C		
Protective Class	Class I		
OVC	AC III , DC II		
Topology(Solar/BAT)	Transformerless		

Model	SiH-25kW-TH	SiH-29.9kW-TH	SiH-30kW-TH	SiH-40kW-TH
PV				
Max.Input Power	50000Wp	60000Wp	60000Wp	60000Wp
Max. Input Voltage	1000Vd.c.			
MPP Voltage Range	150...950Vd.c.	150...950Vd.c.	150...950Vd.c.	150...950Vd.c.
Max. Input Current	32A/32A/32Ad.c.	32A/32A/32Ad.c.	32A/32A/32Ad.c.	32A/32A/32Ad.c.
Short Circuit Current	40A/40A/40Ad.c.	40A/40A/40Ad.c.	40A/40A/40Ad.c.	40A/40A/40Ad.c.
BAT				
Voltage Range	150...800Vd.c.			
Max. Continuous Current	60A (charge) / 60Ad.c. (discharge)			
Max. Power	30000W(charge)/ 25000W(discharge)	30000W(charge)/ 29999W(discharge)	30000W(charge)/ 30000W(discharge)	40000W(charge)/ 40000W(discharge)
Battery Type	Li-ion			
AC output				
Rated Voltage a.c.	3/N/PE 220/380V, 3/N/PE 230/400V, 3/N/PE 240/415V			
Rated Active Power	25000W	29999W	30000W	40000W
Max. Apparent Power	25000VA	29999VA	30000VA	40000VA
Max. Current	37.9Aa.c	45.5Aa.c	45.5Aa.c	60.6Aa.c
Rated Frequency	50/60Hz			
Power Factor Range	-0.8...+0.8			
AC input				
Rated Voltage a.c.	3/N/PE 220/380V, 3/N/PE 230/400V, 3/N/PE 240/415V			

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Max. Current	80Aa.c	80Aa.c	80Aa.c	80Aa.c
Rated Frequency	50/60Hz			
AC backup				
Rated Voltage a.c.	3/N/PE 220/380V, 3/N/PE 230/400V, 3/N/PE 240/415V			
Max. Active Power	25000W	29999W	30000W	40000W
Max. Current	37.9Aa.c	45.5Aa.c	45.5Aa.c	60.6Aa.c
Rated Frequency	50/60Hz			
General Data				
Degree Of Protection	IP66			
Operating Ambient Temperature Range	-25~60°C			
Protective Class	Class I			
OVC	AC III , DC II			
Topology(Solar/BAT)	Transformerless			

Tested according to:

- EN IEC 61000-6-1:2019
- EN IEC 61000-6-2:2019
- EN IEC 61000-6-3:2021
- EN IEC 61000-6-4:2019

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