

Compliance Document

No. D 077831 0022 Rev. 00

Holder of Certificate: **Guangzhou Sanjing Electric Co., Ltd.**
No.9, Lizhishan Road, Science City
510663 Guangzhou High-tech Zone, Guangdong
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
(Hybrid Solar Inverter)

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290203078601

Date, 2021-12-29



(Billy Qiu)

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Model(s): H1-3K-S2, H1-3.6K-S2, H1-4K-S2,
H1-4.6K-S2, H1-5K-S2, H1-6K-S2,
H1-4.6K-LS2, H1-5K-LS2, H1-6K-LS2

Parameters:

Model:	H1-3K-S2	H1-3.6K-S2	H1-4K-S2
PV input parameter			
Input voltage range	80~600 Vd.c.		
Input voltage range (Full load)	250~550 Vd.c.		
Rated input voltage	360 Vd.c.		
Maximum input voltage	600 Vd.c.		
Maximum input current	12.5 Ad.c. * 2		
PV I _{sc}	15 Ad.c. * 2		
Battery input / output parameter			
Input voltage range	42~58.4 Vd.c.		
Rated voltage	48 Vd.c.		
Maximum input / output voltage	58.4 Vd.c.		
Maximum input / output current	60 Ad.c.		
Grid parameter			
Rated voltage	230 Va.c.		
Rated frequency	50 Hz		
Rated input / output current	13.1 Aa.c.	16.0 Aa.c.	17.4 Aa.c.
Maximum continuous input / output current	13.6 Aa.c.	16.7 Aa.c.	18.2 Aa.c.
Rated output active power	3 kW	3.68 kW	4 kW
Power factor	0.9 leading to 0.9 lagging		
Back-up parameter			
Rated output voltage	230 Va.c.		
Rated output frequency	50 Hz		
Maximum output current	13.6 Aa.c.		
Maximum output active power	3 kW		
General			
Protection class	Class I		

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Model:	H1-4.6K-LS2	H1-5K-LS2	H1-6K-LS2
PV input parameter			
Input voltage range	80~600 Vd.c.		
Input voltage range (Full load)	250~550 Vd.c.		
Rated input voltage	360 Vd.c.		
Maximum input voltage	600 Vd.c.		
Maximum input current	12.5 Ad.c. * 2		
PV I _{SC}	15 Ad.c. * 2		
Battery input / output parameter			
Input voltage range	42~58.4 Vd.c.		
Rated voltage	48 Vd.c.		
Maximum input / output voltage	58.4 Vd.c.		
Maximum input / output current	60 Ad.c.		
Grid parameter			
Rated voltage	230 Va.c.		
Rated frequency	50 Hz		
Rated input / output current	20.0 Aa.c.	21.8 Aa.c.	26.1 Aa.c.
Maximum continuous input / output current	20.9 Aa.c.	22.7 Aa.c.	27.3 Aa.c.
Rated output active power	4.6 kW	5 kW	6 kW
Power factor	0.9 leading to 0.9 lagging		
Back-up parameter			
Rated output voltage	230 Va.c.		
Rated output frequency	50 Hz		
Maximum output current	13.6 Aa.c.		
Maximum output active power	3 kW	3 kW	3 kW
General			
Protection class	Class I		

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Model:	H1-4.6K-S2	H1-5K-S2	H1-6K-S2
PV input parameter			
Input voltage range	80~600 Vd.c.		
Input voltage range (Full load)	250~550 Vd.c.		
Rated input voltage	360 Vd.c.		
Maximum input voltage	600 Vd.c.		
Maximum input current	12.5 Ad.c. * 2		
PV I _{sc}	15 Ad.c. * 2		
Battery input / output parameter			
Input voltage range	42~58.4 Vd.c.		
Rated voltage	48 Vd.c.		
Maximum input / output voltage	58.4 Vd.c.		
Maximum input / output current	100 Ad.c.		
Grid parameter			
Rated voltage	230 Va.c.		
Rated frequency	50 Hz		
Rated input / output current	20.0 Aa.c.	21.8 Aa.c.	26.1 Aa.c.
Maximum continuous input / output current	20.9 Aa.c.	22.7 Aa.c.	27.3 Aa.c.
Rated output active power	4.6 kW	5 kW	6 kW
Power factor	0.9 leading to 0.9 lagging		
Back-up parameter			
Rated output voltage	230 Va.c.		
Rated output frequency	50 Hz		
Maximum output current	20.9 Aa.c.	22.7 Aa.c.	22.7 Aa.c.
Maximum output active power	4.6 kW	5 kW	5 kW
General			
Protection class	Class I		



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**Tested
according to:**

IEC 61683:1999