

Compliance Document

No. D 077831 0021 Rev. 01

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.: 64290203078702

Date, 2022-11-30


(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,
H1-3K-S2-15, H1-3.6K-S2-15, H1-4K-S2-15,
H1-4.6K-S2-15, H1-5K-S2-15, H1-6K-S2-15

Parameters:

Model:	H1-3K-S2	H1-3.6K-S2	H1-4K-S2
PV input parameter			
Input voltage range	80~600 Vd.c.		
Maximum input voltage	600 Vd.c.		
Maximum input current	12.5*2 Ad.c.		
PV I _{SC}	15*2 Ad.c.		
Battery input/output parameter			
Input voltage range	42~58.4 Vd.c.		
Maximum input/output voltage	58.4 Vd.c.		
Maximum input/output current	60 Ad.c.		
Grid parameter			
Rated output voltage	230 Va.c.		
Rated output frequency	50 Hz		
Rated output current	13.1 Aa.c.	16.0 Aa.c.	17.4 Aa.c.
Maximum continuous 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		
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.		
Maximum input voltage	600 Vd.c.		
Maximum input current	12.5*2 Ad.c.		
PV I _{SC}	15*2 Ad.c.		
Battery input/output parameter			
Input voltage range	42~58.4 Vd.c.		
Maximum input/output voltage	58.4 Vd.c.		
Maximum input/output current	60 Ad.c.		
Grid parameter			
Rated output voltage	230 Va.c.		
Rated output frequency	50 Hz		
Rated output current	20.0 Aa.c.	21.8 Aa.c.	26.1 Aa.c.
Maximum continuous 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		
Protection class	Class I		

Model:	H1-4.6K-S2	H1-5K-S2	H1-6K-S2
PV input parameter			
Input voltage range	80~600 Vd.c.		
Maximum input voltage	600 Vd.c.		
Maximum input current	12.5*2 Ad.c.		
PV I _{SC}	15*2 Ad.c.		
Battery input/output parameter			
Input voltage range	42~58.4 Vd.c.		
Maximum input/output voltage	58.4 Vd.c.		
Maximum input/output current	100 Ad.c.		
Grid parameter			
Rated output voltage	230 Va.c.		
Rated output frequency	50 Hz		
Rated output current	20.0 Aa.c.	21.8 Aa.c.	26.1 Aa.c.
Maximum continuous 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		
Protection class	Class I		

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Model:	H1-3K-S2-15	H1-3.6K-S2-15	H1-4K-S2-15
PV input parameter			
Input voltage range	80~600 Vd.c.		
Maximum input voltage	600 Vd.c.		
Maximum input current	15*2 Ad.c.		
PV I _{SC}	18*2 Ad.c.		
Battery input/output parameter			
Input voltage range	42~58.4 Vd.c.		
Maximum input/output voltage	58.4 Vd.c.		
Maximum input/output current	60 Ad.c.		
Grid parameter			
Rated output voltage	230 Va.c.		
Rated output frequency	50 Hz		
Rated output current	13.1 Aa.c.	16.0 Aa.c.	17.4 Aa.c.
Maximum continuous 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		
Protection class	Class I		

Model:	H1-4.6K-S2-15	H1-5K-S2-15	H1-6K-S2-15
PV input parameter			
Input voltage range	80~600 Vd.c.		
Maximum input voltage	600 Vd.c.		
Maximum input current	15*2 Ad.c.		
PV I _{SC}	18*2 Ad.c.		
Battery input/output parameter			
Input voltage range	42~58.4 Vd.c.		
Maximum input/output voltage	58.4 Vd.c.		
Maximum input/output current	100 Ad.c.		
Grid parameter			
Rated output voltage	230 Va.c.		
Rated output frequency	50 Hz		
Rated output current	20.0 Aa.c.	21.8 Aa.c.	26.1 Aa.c.
Maximum continuous 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		
Protection class	Class I		



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**Tested
according to:**

IEC 61727:2004
IEC 62116:2014