

Compliance Document

No. D 086470 0173 Rev. 00

Holder of Certificate: **Ginlong Technologies Co., Ltd.**

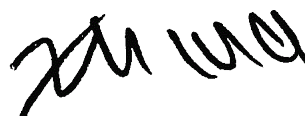
No.57 Jintong Road
Binhai Industrial Park, Xiangshan
315712 Ningbo, Zhejiang
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
Hybrid 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.: 704092304877-00

Date, 2024-01-04



(Zhengdong Ma)

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Model(s): S6-EH1P3K-L-PLUS, S6-EH1P3.6K-L-PLUS,
S6-EH1P5K-L-PLUS, S6-EH1P6K-L-PLUS,
S6-EH1P8K-L-PLUS

Parameters:

Models	S6-EH1P3K-L-PLUS	S6-EH1P3.6K-L-PLUS
1) PV input		
Max. input voltage	DC 500 V	DC 500 V
MPPT voltage range	DC 90 - 435 V	DC 90 - 435 V
Max. input current	2x16A	2x16A
Max. short-circuit input current	2x20A	2x20A
2) Battery input		
Battery type	Li-ion / Lead-acid	Li-ion / Lead-acid
Battery voltage range	DC 40 - 60 V	DC 40 - 60 V
Max. charge current:	DC 70 A	DC 80 A
Max. discharge current:	DC 70 A	DC 80 A
3) AC-output (Back-up)		
Rated output voltage:	AC 230 V	AC 230 V
Rated output frequency:	50 Hz	50 Hz
Rated output current:	13.1A	15.7A
Rated output power	3000W	3600W
4) AC-output (Grid side)		
Rated output voltage:	AC 230 V	AC 230 V
Rated output frequency:	50 Hz	50 Hz
Max. output current:	13.1A	15.7A
Max. apparent output power	3000VA	3600VA
Power factor range	0.8(leading)-0.8(lagging)	0.8(leading)-0.8(lagging)
5) AC input		
Rated output voltage:	AC 230 V	AC 230 V
Rated output frequency:	50 Hz	50 Hz
Max. continuous current:	20A	24A

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Models	S6-EH1P5K-L-PLUS	S6-EH1P6K-L-PLUS	S6-EH1P8K-L-PLUS
1) PV input			
Max. input voltage	DC 500 V	DC 500 V	DC 500 V
MPPT voltage range	DC 90 - 435 V	DC 90 - 435 V	DC 90 - 435 V
Max. input current	2x16A	2x16A	2x32A
Max. short-circuit input current	2x20A	2x20A	2x40A
2) Battery input			
Battery type	Li-ion / Lead-acid	Li-ion / Lead-acid	Li-ion / Lead-acid
Battery voltage range	DC 40 - 60 V	DC 40 - 60 V	DC 40 - 60 V
Max. charge current:	DC 112 A	DC 135 A	DC 190 A
Max. discharge current:	DC 112 A	DC 135 A	DC 190 A
3) AC-output (Back-up)			
Rated output voltage:	AC 230 V	AC 230 V	AC 230 V
Rated output frequency:	50 Hz	50 Hz	50 Hz
Rated output current:	21.8A	26.1A	34.8A
Rated output power	5000W	6000W	8000W
4) AC-output (Grid side)			
Rated output voltage:	AC 230 V	AC 230 V	AC 230 V
Rated output frequency:	50 Hz	50 Hz	50 Hz
Max. output current:	21.8A	26.1A	34.8A
Max. apparent output power	5000VA	6000VA	8000VA
Power factor range	0.8(leading)-0.8(lagging)	0.8(leading)-0.8(lagging)	0.8(leading)-0.8(lagging)
5) AC input			
Rated output voltage:	AC 230 V	AC 230 V	AC 230 V
Rated output frequency:	50 Hz	50 Hz	50 Hz
Max. continuous current:	31A	39A	50A

**Tested
according to:**

IEC 60068-2-1:2007
 IEC 60068-2-2:2007
 IEC 60068-2-14:2009
 IEC 60068-2-27:2008
 IEC 60068-2-30:2005
 IEC 60068-2-64:2008
 IEC 60068-2-64:2008/AMD1:2019
 IEC 61683:1999
 EN 50530:2010/A1:2013