

Compliance Document

No. D 086470 0187 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.: 4840923340000

Date, 2024-04-17



(Ming Gu)

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Model(s):

S6-EH3P29.9K-H, S6-EH3P30K-H,
S6-EH3P30K-H-LV, S6-EH3P37.5K-H,
S6-EH3P40K-H, S6-EH3P50K-H,
S6-EH3P29.9K-H-AU, S6-EH3P30K-H-AU,
S6-EH3P40K-H-AU, S6-EH3P50K-H-AU

Parameters:

Model	S6-EH3P29.9K-H,	S6-EH3P30K-H	S6-EH3P30K-H-LV
PV-Input			
Max. input voltage d.c.	1000 V		
Mppt voltage range d.c.	150-850 V		
Max. input current d.c.	3x40 A		
Isc PV (absolute maximum) d.c.	3x60 A		
Battery			
Battery type	Li-ion		
Battery Voltage range d.c.	150-800 V		
Max. Charge/discharge current d.c.	2X70A /2X70A	2X70A /2X70A	2X70A /2X70A
AC-Output (Back-up)			
Max. (Rated) output power a.c.	29900W	30000W	30000W
Nominal output voltage a.c.	3/N/PE,220V/380V 3/N/PE,230V/400V	3/N/PE,220V/380V 3/N/PE,230V/400V	3/N/PE,127V/220V 3/N/PE,133V/230V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. (Rated) output current a.c.	45.4A/43.2A	45.6A/43.3A	78.7A/75.3A
AC-Output (Grid side)			
Max. (Rated) apparent output power a.c.	29900VA	30000VA	30000VA
Nominal output voltage a.c.	3/N/PE,220V/380V 3/N/PE,230V/400V	3/N/PE,220V/380V 3/N/PE,230V/400V	3/N/PE,127V/220V 3/N/PE,133V/230V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. (Rated) output current a.c.	45.4A/43.2A	45.6A/43.3A	78.7A/75.3A
Power factor range	-0.8...1...+ 0.8		
Protective class	I		
Ingress protection	IP66		
Ambient temperature	-25...+60℃		
AC-Input (For grid port and Gen port)			
Nominal voltage a.c.	3/N/PE, 220V/380V 3/N/PE, 230V/400V	3/N/PE, 220V/380V 3/N/PE, 230V/400V	3/N/PE, 127V/220V 3/N/PE, 133V/230V

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Grid Max. (Rated) continuous current	90.8A/86.4A	91.2A/86.6A	152A/152A
Gen Max. (Rated) continuous current	45.4A/43.2A	45.6A/43.3A	78.7A/75.3A
Nominal Frequency	50/60Hz		

Model	S6-EH3P37.5K-H	S6-EH3P40K-H	S6-EH3P50K-H
PV-Input			
Max. input voltage d.c.	1000 V		
Mppt voltage range d.c.	150-850 V		
Max. input current d.c.	4x40 A		
Isc PV (absolute maximum) d.c.	4x60 A		
Battery			
Battery type	Li-ion		
Battery Voltage range d.c.	150-800 V		
Max. Charge/discharge current d.c.	2X70A /2X70A	2X70A /2X70A	2X70A /2X70A
AC-Output (Back-up)			
Max. (Rated) output power a.c.	37500W	40000W	50000W
Nominal output voltage a.c.	3/N/PE,220V/380V 3/N/PE,230V/400V	3/N/PE,220V/380V 3/N/PE,230V/400V	3/N/PE,220V/380V 3/N/PE,230V/400V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. (Rated) output current a.c.	57A/54.1A	60.8A/57.7A	76A/72.2A
AC-Output (Grid side)			
Max. (Rated) apparent output power a.c.	37500VA	40000VA	50000VA
Nominal output voltage a.c.	3/N/PE,220V/380V 3/N/PE,230V/400V	3/N/PE,220V/380V 3/N/PE,230V/400V	3/N/PE,220V/380V 3/N/PE,230V/400V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. (Rated) output current a.c.	57A/54.1A	60.8A/57.7A	76A/72.2A
Power factor range	-0.8...1...+ 0.8		
Protective class	I		
Ingress protection	IP66		
Ambient temperature	-25...+60℃		
AC-Input (For grid port and Gen port)			
Nominal voltage a.c.	3/N/PE,220V/380V 3/N/PE,230V/400V		
Grid Max. (Rated) continuous current	114A/108.2A	121.6A/115.4A	152A/144.4A
Gen Max. (Rated) continuous current	57A/54.1A	60.8A/57.7A	76A/72.2A
Nominal Frequency	50/60Hz		

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Model	S6-EH3P29.9K-H-AU	S6-EH3P30K-H-AU
PV-Input		
Max. input voltage d.c.	1000 V	
Mppt voltage range d.c.	150-850 V	
Max. input current d.c.	3x40 A	
Isc PV (absolute maximum) d.c.	3x60 A	
Battery		
Battery type	Li-ion	
Battery Voltage range d.c.	150-800 V	
Max. Charge/discharge current d.c.	2X70A /2X70A	2X70A /2X70A
AC-Output (Back-up)		
Max. (Rated) output power a.c.	29900W	30000W
Nominal output voltage a.c.	3/N/PE,230V/400V	3/N/PE,230V/400V
Nominal Frequency	50Hz	50Hz
Max. (Rated) output current a.c.	43.2A	43.3A
AC-Output (Grid side)		
Max. (Rated) apparent output power a.c.	29900VA	30000VA
Nominal output voltage a.c.	3/N/PE,230V/400V	3/N/PE,230V/400V
Nominal Frequency	50Hz	50Hz
Max. (Rated) output current a.c.	43.2A	43.3A
Power factor range	-0.8...1...+ 0.8	
Protective class	I	
Ingress protection	IP66	
Ambient temperature	-25...+60°C	
AC-Input (For grid port and Gen port)		
Nominal voltage a.c.	3/N/PE,230V/400V	
Grid Max. (Rated) continuous current	86.4A	86.6A
Gen Max. (Rated) continuous current	43.2A	43.3A
Nominal Frequency	50Hz	

Model	S6-EH3P40K-H-AU	S6-EH3P50K-H-AU
PV-Input		
Max. input voltage d.c.	1000 V	
Mppt voltage range d.c.	150-850 V	
Max. input current d.c.	4x40 A	
Isc PV (absolute maximum) d.c.	4x60 A	
Battery		
Battery type	Li-ion	
Battery Voltage range d.c.	150-800 V	
Max. Charge/discharge current d.c.	2X70A /2X70A	2X70A /2X70A

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AC-Output (Back-up)		
Max. (Rated) output power a.c.	40000W	50000W
Nominal output voltage a.c.	3/N/PE,230V/400V	3/N/PE,230V/400V
Nominal Frequency	50Hz	50Hz
Max. (Rated) output current a.c.	57.7A	72.2A
AC-Output (Grid side)		
Max. (Rated) apparent output power a.c.	40000VA	50000VA
Nominal output voltage a.c.	3/N/PE,230V/400V	3/N/PE,230V/400V
Nominal Frequency	50Hz	50Hz
Max. (Rated) output current a.c.	57.7A	72.2A
Power factor range	-0.8...1...+ 0.8	
Protective class	I	
Ingress protection	IP66	
Ambient temperature	-25...+60℃	
AC-Input (For grid port and Gen port)		
Nominal voltage a.c.	3/N/PE,230V/400V	
Grid Max. (Rated) continuous current	115.4A	144.4A
Gen Max. (Rated) continuous current	57.7A	72.2A
Nominal Frequency	50Hz	

**Tested
according to:**

EN IEC 61000-6-2:2019
EN IEC 61000-6-4:2019
IEC 61000-3-2:2018/AMD1:2020
IEC 61000-3-12:2011/AMD1:2021
IEC 61000-3-3:2013/AMD2:2021
IEC 61000-3-11:2017
IEC 62920:2017/A1:2021