



Product Service

Compliance Document

No. D 086470 0206 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.: 4840924318000

Date, 2024-07-23

(Ming Gu)



Product Service

Compliance Document

No. D 086470 0206 Rev. 00

Model(s):

S6-EH3P20K-ND-H, S6-EH3P15K-ND-H,
S6-EH3P12K-ND-H, S6-EH3P12K-LV-ND-H,
S6-EH3P10K-LV-ND-H, S6-EH3P8K-LV-ND-H,
S6-EH3P20K-H, S6-EH3P15K-H,
S6-EH3P12K-H, S6-EH3P12K-LV-H,
S6-EH3P10K-LV-H, S6-EH3P8K-LV-H

Parameters:

Model	S6-EH3P12K-H	S6-EH3P15K-H	S6-EH3P20K-H
PV-Input			
Max. input voltage d.c.	1000 V		
Mppt voltage range d.c.	200-850 V		
Max. input current d.c.	4x20A		
Isc PV (absolute maximum) d.c.	4x30A		
Battery			
Battery type	Li-ion		
Battery Voltage range d.c.	120-800V		
Max. Charge/discharge current d.c.	50A /50A	50A /50A	50A /50A
AC-Output (Back-up)			
Max. /Rated output power a.c.	12000W	15000W	20000W
Nominal output voltage a.c.	3/N/PE, 380 V / 400 V	3/N/PE, 380 V / 400 V	3/N/PE, 380 V / 400 V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	18.2 A/17.3 A	22.8 A/21.7 A	30.4 A/28.9 A
AC-Output (Grid side)			
Max. /Rated apparent output power a.c.	12000W	15000W	20000W
Nominal output voltage a.c.	3/N/PE, 380 V / 400 V	3/N/PE, 380 V / 400 V	3/N/PE, 380 V / 400 V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	18.2 A/17.3 A	22.8 A/21.7 A	30.4 A/28.9 A
Power factor range	-0.8...1...+ 0.8		
Protective class	I		
Ingress protection	IP66		
Ambient temperature	-40...+60℃		
AC-Input (For grid port and Gen port)			
Nominal voltage a.c.	3/N/PE, 380 V / 400 V		
Grid max.(rated) continuous current	27.3 A/26.0 A	34.2 A/32.5 A	45.6 A/43.3 A
Gen max.(rated) continuous current	18.2 A/17.3 A	22.8 A/21.7 A	30.4 A/28.9 A
Nominal Frequency	50/60Hz		



Product Service

Compliance Document

No. D 086470 0206 Rev. 00

Model	S6-EH3P8K-LV-H	S6-EH3P10K-LV-H	S6-EH3P12K-LV-H
PV-Input			
Max. input voltage d.c.	1000 V	1000 V	1000 V
Mppt voltage range d.c.	200-850 V	200-850 V	200-850 V
Max. input current d.c.	4x16A	4x16A	4x20A
Isc PV (absolute maximum) d.c.	4x24 A	4x24 A	4x30 A
Battery			
Battery type	Li-ion		
Battery Voltage range d.c.	120-800V		
Max. Charge/discharge current d.c.	50A /50A	50A /50A	50A /50A
AC-Output (Back-up)			
Max. /Rated output power a.c.	8000W	10000W	12000W
Nominal output voltage a.c.	3/N/PE, 133V/230 V	3/N/PE, 133V/230 V	3/N/PE, 133V/230 V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	20.1 A	25.1 A	30.1 A
AC-Output (Grid side)			
Max. /Rated apparent output power a.c.	8000W	10000W	12000W
Nominal output voltage a.c.	3/N/PE, 133V/230 V	3/N/PE, 133V/230 V	3/N/PE, 133V/230 V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	20.1 A	25.1 A	30.1 A
Power factor range	-0.8...1...+ 0.8		
Protective class	I		
Ingress protection	IP66		
Ambient temperature	-40...+60°C		
AC-Input (For grid port and Gen port)			
Nominal voltage a.c.	3/N/PE, 230 V		
Grid max.(rated) continuous current	30.1 A	37.7 A	45.2 A
Gen max.(rated) continuous current	20.1 A	25.1 A	30.1 A



Product Service

Compliance Document

No. D 086470 0206 Rev. 00

Nominal Frequency	50/60Hz
-------------------	---------

Model	S6-EH3P12K-ND-H	S6-EH3P15K-ND-H	S6-EH3P20K-ND-H
PV-Input			
Max. input voltage d.c.	1000 V		
Mppt voltage range d.c.	200-850 V		
Max. input current d.c.	4x20A		
Isc PV (absolute maximum) d.c.	4x30A		
Battery			
Battery type	Li-ion		
Battery Voltage range d.c.	120-800V		
Max. Charge/discharge current d.c.	50A /50A	50A /50A	50A /50A
AC-Output (Back-up)			
Max. /Rated output power a.c.	12000W	15000W	20000W
Nominal output voltage a.c.	3/N/PE, 380V / 400V	3/N/PE, 380V / 400V	3/N/PE, 380V / 400V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	18.2 A/17.3 A	22.8 A/21.7 A	30.4 A/28.9 A
AC-Output (Grid side)			
Max. /Rated apparent output power a.c.	12000W	15000W	20000W
Nominal output voltage a.c.	3/N/PE, 380V / 400V	3/N/PE, 380V / 400V	3/N/PE, 380V / 400V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	18.2 A/17.3 A	22.8 A/21.7 A	30.4 A/28.9 A
Power factor range	-0.8...1...+ 0.8		
Protective class	I		
Ingress protection	IP66		
Ambient temperature	-40...+60℃		
AC-Input (For grid port and Gen port)			
Nominal voltage a.c.	3/N/PE, 380 V / 400 V		
Grid max.(rated) continuous current	27.3 A/26.0 A	34.2 A/32.5 A	45.6 A/43.3 A
Gen max.(rated) continuous current	18.2 A/17.3 A	22.8 A/21.7 A	30.4 A/28.9 A
Nominal Frequency	50/60Hz		

Model	S6-EH3P8K-LV-ND-H	S6-EH3P10K-LV-ND-H	S6-EH3P12K-LV-ND-H
PV-Input			



Product Service

Compliance Document

No. D 086470 0206 Rev. 00

Max. input voltage d.c.	1000 V	1000 V	1000 V
Mppt voltage range d.c.	200-850 V	200-850 V	200-850 V
Max. input current d.c.	4x16A	4x16A	4x20A
Isc PV (absolute maximum) d.c.	4x24 A	4x24 A	4x30 A
Battery			
Battery type	Li-ion		
Battery Voltage range d.c.	120-800V		
Max. Charge/discharge current d.c.	50A /50A	50A /50A	50A /50A
AC-Output (Back-up)			
Max. /Rated output power a.c.	8000W	10000W	12000W
Nominal output voltage a.c.	3/N/PE,133V/230 V	3/N/PE,133V/230 V	3/N/PE,133V/230 V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	20.1 A	25.1 A	30.1 A
AC-Output (Grid side)			
Max. /Rated apparent output power a.c.	8000W	10000W	12000W
Nominal output voltage a.c.	3/N/PE,133V/230 V	3/N/PE, 133V/230 V	3/N/PE,133V/230 V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	20.1 A	25.1 A	30.1 A
Power factor range	-0.8...1...+ 0.8		
Protective class	I		
Ingress protection	IP66		
Ambient temperature	-40...+60℃		
AC-Input (For grid port and Gen port)			
Nominal voltage a.c.	3/N/PE, 133V/230 V		
Grid max.(rated) continuous current	30.1 A	37.7 A	45.2 A
Gen max.(rated) continuous current	20.1 A	25.1 A	30.1 A
Nominal Frequency	50/60Hz		

**Tested
according to:**

IEC 61000-6-1:2016
IEC 61000-6-2:2016
IEC 61000-6-3:2020
IEC 61000-6-4:2018
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