



Product Service

# CERTIFICATE

No. B 086470 0170 Rev. 01

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

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

**Certification Mark:**



**Product:** **Converter**

**Hybrid Inverter**

**Model(s):**

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

**Parameters:**

Please see pages 2 to 5

**Tested according to:**

IEC 62109-1:2010  
EN 62109-1:2010  
IEC 62109-2:2011  
EN 62109-2:2011

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:**

50409230013224-01

**Valid until:**

2029-07-28

**Date,**

2024-07-29

( Kai Zhao )

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Model	S6-EH3P12K-H	S6-EH3P15K-H	S6-EH3P20K-H
<b>PV input</b>			
Max. input voltage	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.
MPPT voltage range	200, ..., 850 Vd.c.	200, ..., 850 Vd.c.	200, ..., 850 Vd.c.
Max. input current	4x20 Ad.c.	4x20 Ad.c.	4x20 Ad.c.
Isc PV (absolute maximum)	4x30 Ad.c.	4x30 Ad.c.	4x30 Ad.c.
MPPT number/max input strings number	4/4	4/4	4/4
<b>Battery input</b>			
Battery type	Li-ion		
Battery voltage range	120, ..., 800 Vd.c.	120, ..., 800 Vd.c.	120, ..., 800 Vd.c.
Max. charge current	50 Ad.c.	50 Ad.c.	50 Ad.c.
Max. discharge current	50 Ad.c.	50 Ad.c.	50 Ad.c.
<b>AC output (Back-up)</b>			
Max.(rated) output power	12000 W	15000 W	20000 W
Nominal output voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.		
Nominal frequency	50/60 Hz		
Max.(rated) output current	18.2 Aa.c.@ 220/380 Va.c. 17.3 Aa.c.@ 230/400 Va.c.	22.8 Aa.c.@ 220/380 Va.c. 21.7 Aa.c.@ 230/400 Va.c.	30.4 Aa.c.@ 220/380 Va.c. 28.9 Aa.c.@ 230/400 Va.c.
<b>AC output (Grid side)</b>			
Max.(rated) apparent output power	12000 VA	15000 VA	20000 VA
Nominal output voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.		
Nominal frequency	50/60 Hz		
Max.(rated) output current	18.2 Aa.c.@ 220/380 Va.c. 17.3 Aa.c.@ 230/400 Va.c.	22.8 Aa.c.@ 220/380 Va.c. 21.7 Aa.c.@ 230/400 Va.c.	30.4 Aa.c.@ 220/380 Va.c. 28.9 Aa.c.@ 230/400 Va.c.
<b>AC input (for Grid port and Gen port)</b>			
Nominal voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.		
Max.(rated) continuous current	27.3 Aa.c.@ 220/380 Va.c. 26.0 Aa.c.@ 230/400 Va.c.	34.2 Aa.c.@ 220/380 Va.c. 32.5 Aa.c.@ 230/400 Va.c.	45.6 Aa.c.@ 220/380 Va.c. 43.3 Aa.c.@ 230/400 Va.c.
Nominal frequency	50/60 Hz		
<b>General</b>			
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
Ingress protection	IP 66		
Operating temperature Range	-25°C, ..., +60 °C		
Max. operation altitude	2000 m		

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Model	S6-EH3P8K-LV-H	S6-EH3P10K-LV-H	S6-EH3P12K-LV-H
<b>PV input</b>			
Max. input voltage	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.
MPPT voltage range	200, ..., 850 Vd.c.	200, ..., 850 Vd.c.	200, ..., 850 Vd.c.
Max. input current	4x16 Ad.c.	4x16 Ad.c.	4x20 Ad.c.
Isc PV (absolute maximum)	4x24 Ad.c.	4x24 Ad.c.	4x30 Ad.c.
MPPT number/max input strings number	4/4	4/4	4/4
<b>Battery input</b>			
Battery type	Li-ion		
Battery voltage range	120, ..., 800 Vd.c.	120, ..., 800 Vd.c.	120, ..., 800 Vd.c.
Max. charge current	50 Ad.c.	50 Ad.c.	50 Ad.c.
Max. discharge current	50 Ad.c.	50 Ad.c.	50 Ad.c.
<b>AC output (Back-up)</b>			
Max.(rated) output power	8000 W	10000 W	12000 W
Nominal output voltage	3/N/PE 133/230 Va.c.		
Nominal frequency	50/60 Hz		
Max.(rated) output current	20.1 Aa.c.	25.1 Aa.c.	30.1 Aa.c.
<b>AC output (Grid side)</b>			
Max.(rated) apparent output power	8000 VA	10000 VA	12000 VA
Nominal output voltage	3/N/PE 133/230 Va.c.		
Nominal frequency	50/60 Hz		
Max.(rated) output current	20.1 Aa.c.	25.1 Aa.c.	30.1 Aa.c.
<b>AC input (for Grid port and Gen port)</b>			
Nominal voltage	3/N/PE 133/230 Va.c.		
Max.(rated) continuous current	30.1 Aa.c.	37.7 Aa.c.	45.2 Aa.c.
Nominal frequency	50/60 Hz		
<b>General</b>			
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
Ingress protection	IP 66		
Operating temperature Range	-25°C, ..., +60 °C		
Max. operation altitude	2000 m		

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Model	S6-EH3P12K-ND-H	S6-EH3P15K-ND-H	S6-EH3P20K-ND-H
<b>PV input</b>			
Max. input voltage	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.
MPPT voltage range	200, ..., 850 Vd.c.	200, ..., 850 Vd.c.	200, ..., 850 Vd.c.
Max. input current	4x20 Ad.c.	4x20 Ad.c.	4x20 Ad.c.
Isc PV (absolute maximum)	4x30 Ad.c.	4x30 Ad.c.	4x30 Ad.c.
MPPT number/max input strings number	4/4	4/4	4/4
<b>Battery input</b>			
Battery type	Li-ion		
Battery voltage range	120, ..., 800 Vd.c.	120, ..., 800 Vd.c.	120, ..., 800 Vd.c.
Max. charge current	50 Ad.c.	50 Ad.c.	50 Ad.c.
Max. discharge current	50 Ad.c.	50 Ad.c.	50 Ad.c.
<b>AC output (Back-up)</b>			
Max.(rated) output power	12000 W	15000 W	20000 W
Nominal output voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.		
Nominal frequency	50/60 Hz		
Max.(rated) output current	18.2 Aa.c.@ 220/380 Va.c. 17.3 Aa.c.@ 230/400 Va.c.	22.8 Aa.c.@ 220/380 Va.c. 21.7 Aa.c.@ 230/400 Va.c.	30.4 Aa.c.@ 220/380 Va.c. 28.9 Aa.c.@ 230/400 Va.c.
<b>AC output (Grid side)</b>			
Max.(rated) apparent output power	12000 VA	15000 VA	20000 VA
Nominal output voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.		
Nominal frequency	50/60 Hz		
Max.(rated) output current	18.2 Aa.c.@ 220/380 Va.c. 17.3 Aa.c.@ 230/400 Va.c.	22.8 Aa.c.@ 220/380 Va.c. 21.7 Aa.c.@ 230/400 Va.c.	30.4 Aa.c.@ 220/380 Va.c. 28.9 Aa.c.@ 230/400 Va.c.
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Nominal voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.		
Max.(rated) continuous current	27.3 Aa.c.@ 220/380 Va.c. 26.0 Aa.c.@ 230/400 Va.c.	34.2 Aa.c.@ 220/380 Va.c. 32.5 Aa.c.@ 230/400 Va.c.	45.6 Aa.c.@ 220/380 Va.c. 43.3 Aa.c.@ 230/400 Va.c.
Nominal frequency	50/60 Hz		
<b>General</b>			
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
Ingress protection	IP 66		
Operating temperature Range	-25°C, ..., +60 °C		
Max. operation altitude	2000 m		

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<b>PV input</b>			
Max. input voltage	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.
MPPT voltage range	200, ..., 850 Vd.c.	200, ..., 850 Vd.c.	200, ..., 850 Vd.c.
Max. input current	4x16 Ad.c.	4x16 Ad.c.	4x20 Ad.c.
Isc PV (absolute maximum)	4x24 Ad.c.	4x24 Ad.c.	4x30 Ad.c.
MPPT number/max input strings number	4/4	4/4	4/4
<b>Battery input</b>			
Battery type	Li-ion		
Battery voltage range	120, ..., 800 Vd.c.	120, ..., 800 Vd.c.	120, ..., 800 Vd.c.
Max. charge current	50 Ad.c.	50 Ad.c.	50 Ad.c.
Max. discharge current	50 Ad.c.	50 Ad.c.	50 Ad.c.
<b>AC output (Back-up)</b>			
Max.(rated) output power	8000 W	10000 W	12000 W
Nominal output voltage	3/N/PE 133/230 Va.c.		
Nominal frequency	50/60 Hz		
Max.(rated) output current	20.1 Aa.c.	25.1 Aa.c.	30.1 Aa.c.
<b>AC output (Grid side)</b>			
Max.(rated) apparent output power	8000 VA	10000 VA	12000 VA
Nominal output voltage	3/N/PE 133/230 Va.c.		
Nominal frequency	50/60 Hz		
Max.(rated) output current	20.1 Aa.c.	25.1 Aa.c.	30.1 Aa.c.
<b>AC input (for Grid port and Gen port)</b>			
Nominal voltage	3/N/PE 133/230 Va.c.		
Max.(rated) continuous current	30.1 Aa.c.	37.7 Aa.c.	45.2 Aa.c.
Nominal frequency	50/60 Hz		
<b>General</b>			
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
Ingress protection	IP 66		
Operating temperature Range	-25°C, ..., +60 °C		
Max. operation altitude	2000 m		