



Product Service

Attestation of Conformity

No. N8A 086470 0171 Rev. 01**Holder of Attestation:** **Ginlong Technologies Co., Ltd.**

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

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

EN 62109-1:2010

according to:

EN 62109-2:2011

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: www.tuvsud.com/ps-cert

Test report no.:

50409230013224-01

Date,

2024-07-29

(Kai Zhao)

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Model	S6-EH3P12K-H	S6-EH3P15K-H	S6-EH3P20K-H
PV input			
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
Battery input			
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.
AC output (Back-up)			
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.
AC output (Grid side)			
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.
AC input (for Grid port and Gen port)			
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		
General			
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
PV input			
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
Battery input			
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.
AC output (Back-up)			
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.
AC output (Grid side)			
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.
AC input (for Grid port and Gen port)			
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		
General			
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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PV input			
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
Battery input			
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.
AC output (Back-up)			
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		
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Nominal frequency	50/60 Hz		
General			
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
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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
Battery input			
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.
AC output (Back-up)			
Max.(rated) output power	8000 W	10000 W	12000 W
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