



Product Service

# CERTIFICATE

No. B 086470 0194 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**

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.:** 50409230013278-01

**Valid until:** 2030-07-28

**Date,** 2025-07-30

( Zhengdong Ma )

# CERTIFICATE

No. B 086470 0194 Rev. 01

Model(s):

S6-EH1P9.9K03-NV-YD-L, S6-EH1P12K03-NV-YD-L,  
S6-EH1P14K03-NV-YD-L, S6-EH1P16K03-NV-YD-L,  
S6-EH1P18K03-NV-YD-L

## Parameters:

Model	S6-EH1P9.9K03-NV-YD-L	S6-EH1P12K03-NV-YD-L	S6-EH1P14K03-NV-YD-L	S6-EH1P16K03-NV-YD-L
<b>PV input</b>				
Max. input voltage	550 Vd.c.			
MPPT voltage range	80, ..., 520 Vd.c.			
Max. input current	3x40 Ad.c.			
Isc PV (absolute maximum)	3x50 Ad.c.			
MPPT number/ max. input strings number	3/6			
<b>Battery input</b>				
Battery type	Lithium-ion / Lead-acid			
Battery voltage range	40, ..., 60 Vd.c.			
Max. charge current	208 Ad.c.	250 Ad.c.	290 Ad.c.	290 Ad.c.
Max. discharge current	208 Ad.c.	250 Ad.c.	290 Ad.c.	290 Ad.c.
<b>AC output (Back-up)</b>				
Max.(rated) output power	9900 W	12000 W	14000 W	16000 W
Nominal output voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.			
Nominal frequency	50/60 Hz			
Max.(rated) output current	45.0 Aa.c.@ 220 Va.c. 43.1 Aa.c.@ 230 Va.c.	54.5 Aa.c.@ 220 Va.c. 52.2 Aa.c.@ 230 Va.c.	63.6 Aa.c.@ 220 Va.c. 60.9 Aa.c.@ 230 Va.c.	72.7 Aa.c.@ 220 Va.c. 69.6 Aa.c.@ 230 Va.c.
<b>AC output (Grid side)</b>				
Max.(rated) apparent output power	9900 VA	12000 VA	14000 VA	16000 VA
Nominal output voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.			
Nominal frequency	50/60 Hz			
Max.(rated) output current	45.0 Aa.c.@ 220 Va.c. 43.1 Aa.c.@ 230 Va.c.	54.5 Aa.c.@ 220 Va.c. 52.2 Aa.c.@ 230 Va.c.	63.6 Aa.c.@ 220 Va.c. 60.9 Aa.c.@ 230 Va.c.	72.7 Aa.c.@ 220 Va.c. 69.6 Aa.c.@ 230 Va.c.
<b>AC input</b>				
Nominal voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.			
Grid max.(rated) continuous current	67.5 Aa.c.@ 220 Va.c. 64.5 Aa.c.@ 230 Va.c.	81.8 Aa.c.@ 220 Va.c. 78.3 Aa.c.@ 230 Va.c.	95.5 Aa.c.@ 220 Va.c. 91.3 Aa.c.@ 230 Va.c.	109.1 Aa.c.@ 220 Va.c. 104.3 Aa.c.@ 230 Va.c.
Gen max.(rated) continuous current	45.0 Aa.c.@ 220 Va.c. 43.1 Aa.c.@ 230 Va.c.	54.5 Aa.c.@ 220 Va.c. 52.2 Aa.c.@ 230 Va.c.	63.6 Aa.c.@ 220 Va.c. 60.9 Aa.c.@ 230 Va.c.	72.7 Aa.c.@ 220 Va.c. 69.6 Aa.c.@ 230 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	4000 m			

# CERTIFICATE

No. B 086470 0194 Rev. 01

Model	S6-EH1P18K03-NV-YD-L
<b>PV input</b>	
Max. input voltage	550 Vd.c.
MPPT voltage range	80, ..., 520Vd.c.
Max. input current	3x42 Ad.c.
Isc PV (absolute maximum)	3x50 Ad.c.
MPPT number/max input strings number	3/6
<b>Battery input</b>	
Battery type	Lithium-ion / Lead-acid
Battery voltage range	40, ..., 60 Vd.c.
Max. charge current	320 Ad.c.
Max. discharge current	320 Ad.c.
<b>AC output (Back-up)</b>	
Max.(rated) output power	18000 W
Nominal output voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.
Nominal frequency	50 / 60 Hz
Max.(rated) output current	81.8 Aa.c.@ 220 Va.c. 78.2 Aa.c.@ 230 Va.c.
<b>AC output (Grid side)</b>	
Max.(rated) apparent output power	18000 VA
Nominal output voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.
Nominal frequency	50 / 60 Hz
Max.(rated) output current	81.8 Aa.c.@ 220 Va.c. 78.2 Aa.c.@ 230 Va.c.
<b>AC input</b>	
Nominal voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.
Grid max.(rated) continuous current	122.7 Aa.c.@ 220 Va.c. 117.4 Aa.c.@ 230 Va.c.
Gen max.(rated) continuous current	81.8 Aa.c.@ 220 Va.c. 78.2 Aa.c.@ 230 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	4000 m

**Tested according to:** IEC 62109-1:2010  
 EN 62109-1:2010  
 IEC 62109-2:2011  
 EN 62109-2:2011