



Product Service

CERTIFICATE

No. B 086470 0019 Rev. 06

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
PV Grid-Tied 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 and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704091623704-06

Valid until: 2027-07-03

Date, 2022-07-13

(Zhengdong Ma)

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Model(s):

Solis-1P2.5K-4G, Solis-1P3K-4G, Solis-1P3.6K-4G,
Solis-1P4K-4G, Solis-1P4.6K-4G, Solis-1P5K-4G-MX,
Solis-1P5K-4G, Solis-1P6K-4G

Solis-1P2.5K-4G-C, Solis-1P3K-4G-C, Solis-1P3.6K-4G-C,
Solis-1P4K-4G-C, Solis-1P4.6K-4G-C, Solis-1P5K-4G-MX-C,
Solis-1P5K-4G-C, Solis-1P6K-4G-C

S5-GR1P2.5K, S5-GR1P3K, S5-GR1P3.6K, S5-GR1P4K,
S5-GR1P4.6K, S5-GR1P5K, S5-GR1P6K

S6-GR1P2.5K, S6-GR1P3K, S6-GR1P3.6K, S6-GR1P4K,
S6-GR1P4.6K, S6-GR1P5K, S6-GR1P6K

S6-GR1P2.5K-R, S6-GR1P3K-R, S6-GR1P3.6K-R,
S6-GR1P4K-R, S6-GR1P4.6K-R, S6-GR1P5K-R, S6-GR1P6K-R

S6-GR1P2.5K-B, S6-GR1P3K-B, S6-GR1P3.6K-B, S6-GR1P4K-
B, S6-GR1P4.6K-B, S6-GR1P5K-B, S6-GR1P6K-B

Parameters:

Models	Solis-1P2.5K-4G Solis-1P2.5K-4G-C	Solis-1P3K-4G Solis-1P3K-4G-C	Solis-1P3.6K-4G Solis-1P3.6K-4G-C	Solis-1P4K-4G Solis-1P4K-4G-C
PV input ratings:				
Max. input voltage:	550Vd.c.	600Vd.c.	600Vd.c.	600Vd.c.
MPP voltage range:	50-450Vd.c.	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.
Max. input current:	2 x 11Ad.c.	2 x 11Ad.c.	2 x 11Ad.c.	2 x 11Ad.c.
Isc PV (absolute maximum):	2 x 17.2Ad.c.	2 x 17.2Ad.c.	2 x 17.2Ad.c.	2 x 17.2Ad.c.
AC output ratings:				
Rated grid voltage:	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.
Rated grid frequency:	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Rated output power:	2500W	3000W	3600W	4000W
Max. AC output active power:	2800W	3300W	4000W	4400W
Max. AC output apparent power:	2800VA	3300VA	4000VA	4400VA
Max. continuous output current:	13.3Aa.c.	15.7Aa.c.	16Aa.c.	21Aa.c.

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Models	Solis-1P4.6K-4G Solis-1P4.6K-4G-C	Solis-1P5K-4G Solis-1P5K-4G-C	Solis-1P5K-4G-MX Solis-1P5K-4G-MX-C	Solis-1P6K-4G Solis-1P6K-4G-C
PV input ratings:				
Max. input voltage:	600Vd.c.	600Vd.c.	600Vd.c.	600Vd.c.
MPP voltage range:	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.
Max. input current:	2 x 11Ad.c.	2 x 11Ad.c.	2 x 11Ad.c.	2 x 11Ad.c.
Isc PV (absolute maximum):	2 x 17.2Ad.c.	2 x 17.2Ad.c.	2 x 17.2Ad.c.	2 x 17.2Ad.c.
AC output ratings:				
Rated grid voltage:	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.
Rated grid frequency:	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Rated output power:	4600W	5000W	4999W	6000W
Max. AC output active power:	5000W	5000W	4999W	6000W
Max. AC output apparent power:	5000VA	5000VA	4999VA	6000VA
Max. continuous output current:	23.8Aa.c	25Aa.c	21.7Aa.c.	27.3Aa.c.

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Models	S5-GR1P2.5K S6-GR1P2.5K S6-GR1P2.5K-R S6-GR1P2.5K-B	S5-GR1P3K S6-GR1P3K S6-GR1P3K-R S6-GR1P3K-B	S5-GR1P3.6K S6-GR1P3.6K S6-GR1P3.6K-R S6-GR1P3.6K-B	S5-GR1P4K S6-GR1P4K S6-GR1P4K-R S6-GR1P4K-B
PV input ratings:				
Max. input voltage:	550Vd.c.	600Vd.c.	600Vd.c.	600Vd.c.
MPP voltage range:	50-450Vd.c.	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.
Max. input current:	2 x 14Ad.c.	2 x 14Ad.c.	2 x 14Ad.c.	2 x 14Ad.c.
Isc PV (absolute maximum):	2 x 22Ad.c.	2 x 22Ad.c.	2 x 22Ad.c.	2 x 22Ad.c.
AC output ratings:				
Rated grid voltage:	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.
Rated grid frequency:	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Rated output power:	2500W	3000W	3600W	4000W
Max. AC output active power:	2800W	3300W	4000W	4400W
Max. AC output apparent power:	2800VA	3300VA	4000VA	4400VA
Max. continuous output current:	13.3Aa.c.	15.7Aa.c.	16Aa.c.	21Aa.c.

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No. B 086470 0019 Rev. 06

Models	S5-GR1P4.6K S6-GR1P4.6K S6-GR1P4.6K-R S6-GR1P4.6K-B	S5-GR1P5K S6-GR1P5K S6-GR1P5K-R S6-GR1P5K-B	S5-GR1P6K S6-GR1P6K S6-GR1P6K-R S6-GR1P6K-B
Max. input voltage:	600Vd.c.	600Vd.c.	600Vd.c.
MPP voltage range:	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.
Max. input current:	2 x 14Ad.c.	2 x 14Ad.c.	2 x 14Ad.c.
Isc PV (absolute maximum):	2 x 22Ad.c.	2 x 22Ad.c.	2 x 22Ad.c.
Rated grid voltage:	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.	1/N/PE 220/230Va.c.
Rated grid frequency:	50/60Hz	50/60Hz	50/60Hz
Rated output power:	4600W	5000W	6000W
Max. AC output active power:	5000W	5000W	6000W
Max. AC output apparent power:	5000VA	5000VA	6000VA
Max. continuous output current:	23.8Aa.c.	25Aa.c.	27.3Aa.c.

General specifications:		
Models	S6 series moldes	all other models
Adjustable cos(φ)	-0.8...1...+0.8	
Protection class	I	
Degree of protection	IP66	IP65
Overvoltage category	II(PV), III(MAINS)	
Ambient temperature	-25°C ... +60°C	
Inverter topology	Non-isolated	

Tested according to: EN 62109-1:2010
IEC 62109-1(ed.1)
IEC 62109-2(ed.1)
EN 62109-2:2011