



Product Service

CERTIFICATE

No. B 086470 0093 Rev. 05

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
Off-grid inverter**

Model(s):

**S5-EO1P4K-48, S5-EO1P4K-48-P, S5-EO1P5K-48,
S5-EO1P5K-48-P, S6-EO1P4K-48, S6-EO1P5K-48,
S6-EO1P4K-48-EU, S6-EO1P5K-48-EU, S6-EO1P4K-L,
S6-EO1P5K-L, S6-EO1P6K-48**

Parameters:

See next pages.

Tested according to:

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

Test report no.:

704092008131-05

Valid until:

2030-07-13

Date,

2025-07-14

(Zhengdong Ma)

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Model	S5-EO1P4K-48, S5-EO1P4K-48-P	S5-EO1P5K-48, S5-EO1P5K-48-P
PV Input		
Max. Input Voltage d.c.	d.c. 500 V	
MPPT Voltage range Voltage d.c.	d.c. 90 V ... 480 V	
Max. input Current d.c.	d.c. 13 A/13 A	
Isc PV (absolute max.) d.c.	d.c. 32 A	
Battery		
Battery Voltage Range d.c.	d.c. 40V ... 60 V	
Max. Charge Current d.c.	d.c. 100 A	
Max. Discharge Current d.c.	d.c. 100 A	
AC-Output (stand-alone)		
Max. Output Power	4 kVA/4 kW	5 kVA/5 kW
Nominal Output Voltage a.c.	1/N/PE AC 230V	
Output Frequency a.c.	50/60 Hz	
Max. Output Current a.c.	a.c. 20 A	a.c. 25 A
AC-Input		
Nominal Input Voltage a.c.	1/N/PE AC 230 V	
Max. Input Continuous Current a.c.	a.c. 26 A	a.c. 30 A
Input Frequency a.c.	50/60 Hz	
Others		
Protective Class	Class I	
Ingress Protection	IP 21	
Overvoltage Category	III (AC), II(DC)	
Operation Temperature Range	-10 °C ... 60 °C	

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Model	S6-EO1P4K-48 S6-EO1P4K-48-EU	S6-EO1P5K-48 S6-EO1P5K-48-EU	S6-EO1P6K-48
PV Input			
Max. Input Voltage d.c.	d.c. 500V		
MPPT Voltage Range Voltage d.c.	d.c. 90-430V		
Max. Input Current d.c.	d.c. 16A/16A		
Isc PV (absolute max.) d.c.	d.c. 40A		
Battery			
Battery Voltage Range d.c.	d.c. 40-60V		
Max. Charge Current d.c.	d.c. 100A		d.c. 120A
Max. Discharge Current d.c.	d.c. 100A		d.c. 120A
AC-Output (stand-alone)			
Max. Output Power	4kVA/4kW	5kVA/5kW	6kVA/6kW
Nominal Output Voltage a.c.	1/N/PE AC 230V		
Output Frequency a.c.	50/60Hz		
Max. Output Current a.c.	a.c. 20A	a.c. 25A	a.c. 30A
AC-Input(For grid port and Gen port)			
Nominal Input Voltage a.c.	1/N/PE AC 230V		
Max. Input Continuous Current a.c.	a.c. 26A	a.c. 30A	a.c. 30A
Input Frequency a.c.	50/60Hz		
Others			
Protective Class	Class I		
Ingress Protection	IP21		
Over voltage Category	III (AC), II(DC)		
Operation Temperature Range	-10°C...60°C		

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Model	S6-EO1P4K-L	S6-EO1P5K-L
PV Input		
Max. Input Voltage d.c.	d.c. 500 V	
MPPT Voltage range	d.c. 90V ... 430 V	
Voltage d.c.		
Max. input Current d.c.	d.c. 16 A/16 A	
Isc PV (absolute max.) d.c.	d.c. 40 A	
Battery		
Battery Voltage Range d.c.	d.c. 40V ... 60 V	
Max. Charge Current d.c.	d.c. 100 A	
Max. Discharge Current	d.c. 100 A	
d.c.		
AC-Output (stand-alone)		
Max. Output Power	4000W	5000W
Nominal Output Voltage	1/N/PE AC 220 V	
a.c.		
Output Frequency a.c.	60 Hz	
Max. Output Current a.c.	a.c. 20 A	a.c. 25 A
AC-Input(For grid port and Gen port)		
Nominal Input Voltage a.c.	1/N/PE AC 220 V	
Max. Input Continuous		
Current a.c.	a.c. 26 A	a.c. 30 A
Input Frequency a.c.	60 Hz	
Others		
Protective Class	Class I	
Ingress Protection	IP 21	
Over voltage Category	III (AC), II(DC)	
Operation Temperature		
Range	-10°C ...60°C	