



Product Service

# Compliance Document

No. D 086470 0191 Rev. 01

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

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PEOPLE'S REPUBLIC OF CHINA

**Product:** **Converter**  
**Off-grid inverter**

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 4840924274801

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( Ming Gu )



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**Model(s):** S5-EO1P4K-48, S5-EO1P4K-48-P, S5-EO1P5K-48, S5-EO1P5K-48-P, S6-EO1P4K-48, S6-EO1P5K-48, S6-EO1P4K-L, S6-EO1P5K-L, S6-EO1P6K-48

## Parameters:

| Model                              | S5-EO1P4K-48,<br>S5-EO1P4K-48-P | S5-EO1P5K-48,<br>S5-EO1P5K-48-P |
|------------------------------------|---------------------------------|---------------------------------|
| PV Input                           |                                 |                                 |
| Max. Input Voltage d.c.            | 500 V                           |                                 |
| MPPT Voltage Range d.c.            | 90-480 V                        |                                 |
| Max. Input Current d.c.            | 13A/13A                         |                                 |
| Isc PV (absolute maximum) d.c.     | 32A                             |                                 |
| Battery                            |                                 |                                 |
| Battery Voltage Range d.c.         | 40-60 V                         |                                 |
| Max. Charge Current d.c.           | 100A                            |                                 |
| Max. Discharge Current d.c.        | 100A                            |                                 |
| AC-Output (Stand-alone)            |                                 |                                 |
| Max. Output Power a.c.             | 4 kVA/4 kW                      | 5 kVA/5 kW                      |
| Nominal Output Voltage a.c.        | 1/N/PE, AC 230V                 |                                 |
| Output Frequency a.c.              | 50/60Hz                         |                                 |
| Max. Output Current a.c.           | 20A                             | 25A                             |
| AC-Input                           |                                 |                                 |
| Nominal Input Voltage a.c.         | 1/N/PE, AC 230V                 |                                 |
| Max. Input Continuous Current a.c. | 26A                             | 30A                             |
| Input Frequency a.c.               | 50/60Hz                         |                                 |
| Others                             |                                 |                                 |
| Protective Class                   | Class I                         |                                 |
| Ingress Protection                 | IP21                            |                                 |
| Overvoltage Category               | III (AC), II (DC)               |                                 |
| Ambient Temperature                | -10...+60°C                     |                                 |



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



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| Model                              | S6-EO1P4K-L       | S6-EO1P5K-L |
|------------------------------------|-------------------|-------------|
| PV Input                           |                   |             |
| Max. Input Voltage d.c.            | 500 V             |             |
| MPPT Voltage Range d.c.            | 90-430 V          |             |
| Max. Input Current d.c.            | 16A/16A           |             |
| Isc PV (absolute maximum) d.c.     | 40A               |             |
| Battery                            |                   |             |
| Battery Voltage Range d.c.         | 40-60 V           |             |
| Max. Charge Current d.c.           | 100A              |             |
| Max. Discharge Current d.c.        | 100A              |             |
| AC-Output (Stand-alone)            |                   |             |
| Max. Output Power a.c.             | 4000W             | 5000W       |
| Nominal Output Voltage a.c.        | 1/N/PE, AC 220V   |             |
| Output Frequency a.c.              | 60Hz              |             |
| Max. Output Current a.c.           | 20A               | 25A         |
| AC-Input                           |                   |             |
| Nominal Input Voltage a.c.         | 1/N/PE, AC 220V   |             |
| Max. Input Continuous Current a.c. | 26A               | 30A         |
| Input Frequency a.c.               | 60Hz              |             |
| Others                             |                   |             |
| Protective Class                   | Class I           |             |
| Ingress Protection                 | IP21              |             |
| Overvoltage Category               | III (AC), II (DC) |             |
| Ambient Temperature                | -10...+60°C       |             |

**Tested  
according to:**

IEC 61000-6-2:2016  
IEC 61000-6-4:2018  
CISPR 11:2015/A2:2019  
IEC 62920:2017/A1:2021