

Compliance Document

No. D 086470 0065 Rev. 01

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

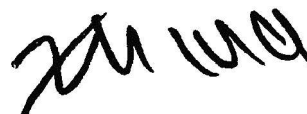
No.57 Jintong Road
Binhai Industrial Park, Xiangshan
315712 Ningbo, Zhejiang
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
Hybrid 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

Test report no.: 704091907632-01

Date, 2021-04-09



(Zhengdong Ma)

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Model(s):

RHI-3K-48ES, RHI-3.6K-48ES, RHI-4.6K-48ES,
 RHI-5K-48ES, RHI-3K-48ES-5G, RHI-3.6K-48ES-5G,
 RHI-4.6K-48ES-5G, RHI-5K-48ES-5G, RHI-6K-48ES-5G,
 S5-EH1P3K-L, S5-EH1P3.6K-L, S5-EH1P4.6K-L,
 S5-EH1P5K-L, S5-EH1P6K-L.

Parameters:

| Model name | RHI-3K-48ES | RHI-3.6K-48ES | RHI-4.6K-48ES | RHI-5K-48ES |
|-----------------------------------|--------------|---------------|---------------|-------------|
| PV input parameters: | | | | |
| Max. Input Voltage: | 600 Vd.c. | | | |
| MPP Voltage Range: | 90-520 Vd.c. | | | |
| Max. Input Current: | 2×11 Ad.c. | | | |
| Isc PV: | 2×17,2 Ad.c. | | | |
| Battery parameters: | | | | |
| Battery Type: | Li-Ion | | | |
| Battery Voltage Range: | 42-58 Vd.c. | | | |
| Max. Charge Current: | 62,5 Ad.c. | | | |
| Max. Discharge Current: | 62,5 Ad.c. | | | |
| AC-Output (Back-up) parameters: | | | | |
| Rated Output Voltage: | 230 Va.c. | | | |
| Rated Output Frequency: | 50 Hz | | | |
| Rated Output Current: | 13 Aa.c. | | | |
| Rated Output Power: | 3000 W | | | |
| AC-Output (Grid Side) parameters: | | | | |
| Rated Output Voltage: | 230 Va.c. | | | |
| Rated Output Frequency: | 50 Hz | | | |
| Rated Output Power: | 3000 W | 3600 W | 4600 W | 5000 W |
| Max. Apparent Output Power: | 3300VA | 4000VA | 4600VA | 5500VA |
| Max. Output Current: | 15,7 Aa.c. | 17,3 Aa.c. | 23 Aa.c. | 23,9 Aa.c. |

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| Model name | RHI-3K-48ES | RHI-3.6K-48ES | RHI-4.6K-48ES | RHI-5K-48ES |
|-------------------------------|-----------------------------|---------------|---------------|-------------|
| Power Factor(adj.): | 0,8(lagging)...0,8(leading) | | | |
| AC input parameters: | | | | |
| Rated Voltage: | 230 Va.c. | | | |
| Current (Maximum Continuous): | 23,9 Aa.c. | | | |
| Rated Frequency: | 50 Hz | | | |
| Others: | | | | |
| Operating Temperature Range: | -25 °C...+60 °C | | | |
| Protective Class: | I | | | |
| Ingress Protection: | IP65 | | | |
| Oversvoltage Category: | II(PV), III(MAINS) | | | |
| Inverter Topology: | Non-isolated | | | |

| Model name | RHI-3K-48ES-5G | RHI-3.6K-48ES-5G | RHI-4.6K-48ES-5G |
|-----------------------------------|--------------------|------------------|------------------|
| PV input parameters: | | | |
| Max. Input Voltage: | 600 Vd.c. | | |
| MPP Voltage Range: | 90-520 Vd.c. | | |
| Max. Input Current: | 2×11 Ad.c. | | |
| Isc PV: | 2×17,2 Ad.c. | | |
| Battery parameters: | | | |
| Battery Type: | Li-ion / Lead-acid | | |
| Battery Voltage Range: | 42-58 Vd.c. | | |
| Max. Charge Current: | 62,5 Ad.c. | 100 Ad.c. | |
| Max. Discharge Current: | 62,5 Ad.c. | 100 Ad.c. | |
| AC-Output (Back-up) parameters: | | | |
| Rated Output Voltage: | 230 Va.c. | | |
| Rated Output Frequency: | 50 Hz | | |
| Rated Output Current: | 13 Aa.c. | 22 Aa.c. | |
| Rated Output Power: | 3000 W | 5000 W | |
| AC-Output (Grid Side) parameters: | | | |
| Rated Output Voltage: | 230 Va.c. | | |
| Rated Output Frequency: | 50 Hz | | |

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| | | | |
|-------------------------------|-----------------------------|------------------|------------------|
| Model name | RHI-3K-48ES-5G | RHI-3.6K-48ES-5G | RHI-4.6K-48ES-5G |
| Rated Output Power: | 3000 W | 3600 W | 4600 W |
| Max. Apparent Output Power: | 3300VA | 4000VA | 4600VA |
| Max. Output Current: | 15,7 Aa.c. | 17,3 Aa.c. | 23 Aa.c. |
| Power Factor(adj.): | 0,8(lagging)...0,8(leading) | | |
| AC input parameters: | | | |
| Rated Voltage: | 230 Va.c. | | |
| Current (Maximum Continuous): | 26,1 Aa.c. | | |
| Rated Frequency: | 50 Hz | | |
| Others: | | | |
| Operating Temperature Range: | -25 °C...+60 °C | | |
| Protective Class: | I | | |
| Ingress Protection: | IP65 | | |
| Overvoltage Category: | II(PV), III(MAINS) | | |
| Inverter Topology: | Non-isolated | | |

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| Model name | RHI-5K-48ES-5G | RHI-6K-48ES-5G |
|-----------------------------------|--------------------|----------------|
| PV input parameters: | | |
| Max. Input Voltage: | 600 Vd.c. | |
| MPP Voltage Range: | 90-520 Vd.c. | |
| Max. Input Current: | 2×11 Ad.c. | |
| Isc PV: | 2×17,2 Ad.c. | |
| Battery parameters: | | |
| Battery Type: | Li-ion / Lead-acid | |
| Battery Voltage Range: | 42-58 Vd.c. | |
| Max. Charge Current: | 100 Ad.c. | |
| Max. Discharge Current: | 100 Ad.c. | |
| AC-Output (Back-up) parameters: | | |
| Rated Output Voltage: | 230 Va.c. | |
| Rated Output Frequency: | 50 Hz | |
| Rated Output Current: | 22 Aa.c. | |
| Rated Output Power: | 5000 W | |
| AC-Output (Grid Side) parameters: | | |
| Rated Output Voltage: | 230 Va.c. | |
| Rated Output Frequency: | 50 Hz | |

| Model name | RHI-5K-48ES-5G | RHI-6K-48ES-5G |
|-------------------------------|-----------------------------|----------------|
| Rated Output Power: | 5000 W | 6000 W |
| Max. Apparent Output Power: | 5500VA | 6000 VA |
| Max. Output Current: | 23,9 Aa.c. | 26,1 Aa.c. |
| Power Factor(adj.): | 0,8(lagging)...0,8(leading) | |
| AC input parameters: | | |
| Rated Voltage: | 230 Va.c. | |
| Current (Maximum Continuous): | 26,1 Aa.c. | |
| Rated Frequency: | 50 Hz | |
| Others: | | |
| Operating Temperature Range: | -25 °C...+60 °C | |
| Protective Class: | I | |
| Ingress Protection: | IP65 | |
| Overvoltage Category: | II(PV), III(MAINS) | |
| Inverter Topology: | Non-isolated | |

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| Model name | S5-EH1P3K-L | S5-EH1P3.6K-L | S5-EH1P4.6K-L |
|-----------------------------------|--------------------|---------------|---------------|
| PV input parameters: | | | |
| Max. Input Voltage: | 600 Vd.c. | | |
| MPP Voltage Range: | 90-520 Vd.c. | | |
| Max. Input Current: | 2×15 Ad.c. | | |
| Isc PV: | 2×22,5 Ad.c. | | |
| Battery parameters: | | | |
| Battery Type: | Li-ion / Lead-acid | | |
| Battery Voltage Range: | 42-58 Vd.c. | | |
| Max. Charge Current: | 62,5 Ad.c. | 100 Ad.c. | |
| Max. Discharge Current: | 62,5 Ad.c. | 100 Ad.c. | |
| AC-Output (Back-up) parameters: | | | |
| Rated Output Voltage: | 230 Va.c. | | |
| Rated Output Frequency: | 50 Hz | | |
| Rated Output Current: | 13,5 Aa.c. | 22 Aa.c. | |
| Rated Output Power: | 3000 W | 5000 W | |
| AC-Output (Grid Side) parameters: | | | |
| Rated Output Voltage: | 230 Va.c. | | |
| Rated Output Frequency: | 50 Hz | | |

| Model name | S5-EH1P3K-L | S5-EH1P3.6K-L | S5-EH1P4.6K-L |
|-------------------------------|-----------------------------|---------------|---------------|
| Rated Output Power: | 3000 W | 3600 W | 4600 W |
| Max. Apparent Output Power: | 3300VA | 4000VA | 4600VA |
| Max. Output Current: | 14,5 Aa.c. | 17,5 Aa.c. | 20 Aa.c. |
| Power Factor(adj.): | 0,8(lagging)...0,8(leading) | | |
| AC input parameters: | | | |
| Rated Voltage: | 230 Va.c. | | |
| Current (Maximum Continuous): | 20,5 Aa.c. | 25 Aa.c. | 31,5 Aa.c. |
| Rated Frequency: | 50 Hz | | |
| Others: | | | |
| Operating Temperature Range: | -25 °C...+60 °C | | |
| Protective Class: | I | | |
| Ingress Protection: | IP65 | | |
| Overvoltage Category: | II(PV), III(MAINS) | | |
| Inverter Topology: | Non-isolated | | |

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| | | |
|-----------------------------------|--------------------|-------------|
| Model name | S5-EH1P5K-L | S5-EH1P6K-L |
| PV input parameters: | | |
| Max. Input Voltage: | 600 Vd.c. | |
| MPP Voltage Range: | 90-520 Vd.c. | |
| Max. Input Current: | 2×15 Ad.c. | |
| Isc PV: | 2×22,5 Ad.c. | |
| Battery parameters: | | |
| Battery Type: | Li-ion / Lead-acid | |
| Battery Voltage Range: | 42-58 Vd.c. | |
| Max. Charge Current: | 100 Ad.c. | |
| Max. Discharge Current: | 100 Ad.c. | |
| AC-Output (Back-up) parameters: | | |
| Rated Output Voltage: | 230 Va.c. | |
| Rated Output Frequency: | 50 Hz | |
| Rated Output Current: | 22 Aa.c. | |
| Rated Output Power: | 5000 W | |
| AC-Output (Grid Side) parameters: | | |
| Rated Output Voltage: | 230 Va.c. | |
| Rated Output Frequency: | 50 Hz | |

| | | |
|-------------------------------|-----------------------------|-------------|
| Model name | S5-EH1P5K-L | S5-EH1P6K-L |
| Rated Output Power: | 5000 W | 6000 W |
| Max. Apparent Output Power: | 5500VA | 6000 VA |
| Max. Output Current: | 24 Aa.c. | 29 Aa.c. |
| Power Factor(adj.): | 0,8(lagging)...0,8(leading) | |
| AC input parameters: | | |
| Rated Voltage: | 230 Va.c. | |
| Current (Maximum Continuous): | 34,5 Aa.c. | |
| Rated Frequency: | 50 Hz | |
| Others: | | |
| Operating Temperature Range: | -25 °C...+60 °C | |
| Protective Class: | I | |
| Ingress Protection: | IP65 | |
| Overvoltage Category: | II(PV), III(MAINS) | |
| Inverter Topology: | Non-isolated | |

**Tested
according to:**

EN 50549-1:2019/AC:2019