



Product Service

Compliance Document

No. D 086470 0128 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 and AC coupled energy inverter with storage battery system**Model(s):** Hybrid inverter:
RHI-3K-48ES-5G,RHI-3K-48ES-5G-NS ,RHI-3.6K-48ES-5G,
RHI-3.6K-48ES-5G-NS,RHI-4K-48ES-5G-NS,RHI-4.6K-48ES-5G,
RHI-4.6K-48ES-5G-NS, RHI-5K-48ES-5G,RHI-5K-48ES-5G-NS,
RHI-6K-48ES-5G,RHI-6K-48ES-5G-NS,S5-EH1P3K-L,
S5-EH1P3.6K-L, S5-EH1P4.6K-L, S5-EH1P5K-L, S5-EH1P6K-L,
S5-EH1P3K-L-NS,S5-EH1P3.6K-L-NS,S5-EH1P4K-L-NS,
S5-EH1P4.6K-L-NS,S5-EH1P5K-L-NS,S5-EH1P6K-L-NS

AC coupled energy inverter: RAI-3K-48ES-5G

Storage battery system: 5K3-XP-EU

Parameters: See next pages.**Tested according to:** CEI 0-21:2022/V2:2024

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.: 704092201818-01**Date,** 2024-10-23

(Kai Zhao)



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| The following generators meet the requirements of CEI 0-21:2022/V2:2024 | | | | | | |
|---|--|---|--|---|---|---|
| Section A | Manufacturer | Ginlong Technologies Co., Ltd. No.57 Jintong Road, Binhai Industrial Park, Xiangshan, 315712 Ningbo, Zhejiang, PEOPLE'S REPUBLIC OF CHINA | | | | |
| | Equipment type | Hybrid inverter and AC coupled energy inverter with storage battery system | | | | |
| | Brand | Solis | | | | |
| | Number of phase | <input checked="" type="checkbox"/> Single phase <input type="checkbox"/> Three phase Frequency: 50Hz Voltage: a.c. 230V | | | | |
| | Primary energy used | <input checked="" type="checkbox"/> Solar <input checked="" type="checkbox"/> Storage <input type="checkbox"/> Wind <input type="checkbox"/> Hydroelectric <input type="checkbox"/> CHP <input type="checkbox"/> Other: | | | | |
| | Generator model | RHI-3K-48ES-5G, RHI-3K-48ES-5G-NS, S5-EH1P3K-L, RAI-3K-48ES-5G, S5-EH1P3K-L-NS | RHI-3.6K-48ES-5G, RHI-3.6K-48ES-5G-NS, S5-EH1P3.6K-L, S5-EH1P3.6K-L-NS, S5-EH1P4K-L-NS, RHI-4K-48ES-5G-NS | RHI-4.6K-48ES-5G, RHI-4.6K-48ES-5G-NS, S5-EH1P4.6K-L, S5-EH1P4.6K-L-NS | RHI-5K-48ES-5G, RHI-5K-48ES-5G-NS, S5-EH1P5K-L, S5-EH1P5K-L-NS | RHI-6K-48ES-5G, RHI-6K-48ES-5G-NS, S5-EH1P6K-L, S5-EH1P6K-L-NS |
| | Rated power | 3000 W | 3600 W | 4600 W | 5000 W | 6000 W |
| | The generator: | <input type="checkbox"/> is suitable for installation in systems with an output power of more than 11.08 kW <input checked="" type="checkbox"/> is capable of limiting Idc to 0.5% of rated current <input checked="" type="checkbox"/> uses a DC-sensitive protection function <input type="checkbox"/> uses a transformer operating at mains frequency | | | | |
| Section B | Characteristics of the interface protection system | | | | | |
| | Manufacturer | Ginlong Technologies Co., Ltd. No.57 Jintong Road, Binhai Industrial Park, Xiangshan, 315712 Ningbo, Zhejiang, PEOPLE'S REPUBLIC OF CHINA | | | | |
| | Model | RHI-3K-48ES-5G, RHI-3K-48ES-5G-NS, S5-EH1P3K-L, RAI-3K-48ES-5G, S5-EH1P3K-L-NS | RHI-3.6K-48ES-5G, RHI-3.6K-48ES-5G-NS, S5-EH1P3.6K-L, S5-EH1P3.6K-L-NS, S5-EH1P4K-L-NS, RHI-4K-48ES-5G-NS | RHI-4.6K-48ES-5G, RHI-4.6K-48ES-5G-NS, S5-EH1P4.6K-L, S5-EH1P4.6K-L-NS | RHI-5K-48ES-5G, RHI-5K-48ES-5G-NS, S5-EH1P5K-L, S5-EH1P5K-L-NS | RHI-6K-48ES-5G, RHI-6K-48ES-5G-NS, S5-EH1P6K-L, S5-EH1P6K-L-NS |
| | Type | <input checked="" type="checkbox"/> Integrated <input type="checkbox"/> Not integrated | | | | |
| Section C | Characteristics of inverter(s) | | | | | |
| | Model of inverter | RHI-3K-48ES-5G, RHI-3K-48ES-5G-NS, S5-EH1P3K-L, RAI-3K-48ES-5G, S5-EH1P3K-L-NS | RHI-3.6K-48ES-5G, RHI-3.6K-48ES-5G-NS, S5-EH1P3.6K-L, S5-EH1P3.6K-L-NS, S5-EH1P4K-L-NS, RHI-4K-48ES-5G-NS | RHI-4.6K-48ES-5G, RHI-4.6K-48ES-5G-NS, S5-EH1P4.6K-L, S5-EH1P4.6K-L-NS | RHI-5K-48ES-5G, RHI-5K-48ES-5G-NS, S5-EH1P5K-L, S5-EH1P5K-L-NS | RHI-6K-48ES-5G, RHI-6K-48ES-5G-NS, S5-EH1P6K-L, S5-EH1P6K-L-NS |
| | Manufacturer of inverter | Ginlong Technologies Co., Ltd. No.57 Jintong Road, Binhai Industrial Park, Xiangshan, 315712 Ningbo, Zhejiang, PEOPLE'S REPUBLIC OF CHINA | | | | |
| | Firmware version | A2 | | | | |
| | Rated power of inverter (P _{NINV}) | 3000 W | 3600 W | 4600 W | 5000 W | 6000 W |



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| Section E | Characteristics of the storage system (SdA) | | | | | |
| | Representative Combination | RHI-3K-48ES-5G, RHI-3K-48ES-5G-NS, S5-EH1P3K-L, S5-EH1P3K-L-NS, RAI-3K-48ES-5G with 5K3-XP-EU (1 - 15 pieces) | RHI-3.6K-48ES-5G, RHI-3.6K-48ES-5G-NS, RHI-4K-48ES-5G-NS, S5-EH1P3.6K-L, S5-EH1P3.6K-L-NS, S5-EH1P4K-L-NS with 5K3-XP-EU (1 - 15 pieces) | RHI-4.6K-48ES-5G, RHI-4.6K-48ES-5G-NS, S5-EH1P4.6K-L, S5-EH1P4.6K-L-NS with 5K3-XP-EU (1 - 15 pieces) | RHI-5K-48ES-5G, RHI-5K-48ES-5G-NS, S5-EH1P5K-L, S5-EH1P5K-L-NS with 5K3-XP-EU (1 - 15 pieces) | RHI-6K-48ES-5G, RHI-6K-48ES-5G-NS, S5-EH1P6K-L, S5-EH1P6K-L-NS with 5K3-XP-EU (1 - 15 pieces) |
| | Psn (nominal discharge power) | 3000 W | 3600 W | 4600 W | 4600 W | 4600 W |
| | Pcn (nominal charging power) | 3000 W | 3600 W | 4600 W | 5000 W | 5600 W |
| | Psmax (max. discharge power) | 3000 W | 3600 W | 4600 W | 4600 W | 4600 W |
| | Pcmx (max. charging power) | 3000 W | 3600 W | 4600 W | 5000 W | 5600 W |
| | Type | <input checked="" type="checkbox"/> Bidirectional <input type="checkbox"/> Monodirectional | | | | |
| | Batteries that can be used with the above inverters | | | | | |
| | Brand | WECO | | | | |
| | Technology | Li-Ion | | | | |
| | Models | 5K3-XP-EU | | | | |
| | CUS (kWh) | 5.37 | | | | |
| | BMS firmware version | 6011 | | | | |
| | Number of modules | 1-15 pieces | | | | |
| Note | Batteries are not contained in the inverter and should be installed according to local regulations and in accordance with WECO instruction. | | | | | |
| Section I | References of the laboratories that performed the tests and their test reports (RdP) | | | | | |
| | Selected method | <input checked="" type="checkbox"/> Tests performed under the supervision of a certification body | | | <input checked="" type="checkbox"/> Tests performed by an accredited laboratory | |
| | Test Reports (RdP) | Test report according to Annex A & Bbis: 704092008114-00 & 704092008114-01 & 704092103620-00 & 704092103620-01 & 704092103620-02 & 704092201818-00 & 704092201818-01. | | | Test report EMC: a) C19-447-WT-01 & b) C19-447-WT-02 & c) 64772228001902. | |
| | Issued by | Testing lab: Ginlong Technologies Co., Ltd. Tests performed under supervision of certifier from TÜV SÜD Product Service GmbH | | | Testing lab: -a) & -b) Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co.,Ltd. -c) TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch | |
| | Accreditation No. | D-ZE-11321-01-00 | | | -a) & b) CNAS L0130 -c) CNAS L3584 | |
| | Accreditation body reference. | DAKKS | | | CNAS | |
| Section M | Reference of the certification body | | | | | |
| | Certification Body | TÜV SÜD Product Service GmbH DAKKS accreditation certificate D-ZE-11321-01-00 according to DIN EN ISO/IEC 17065:2013 | | | | |