

Compliance Document

No. D 086470 0099 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

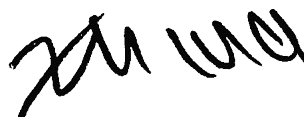
Product:

Converter
Grid-interactive inverter with storage
battery system

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.: 704092103634-01

Date, 2022-09-09



(Zhengdong Ma)



Compliance Document

No. D 086470 0099 Rev. 01

Model(s):

Gird-interactive inverter: RHI-3K-48ES, RHI-3K-48ES-5G,
RHI-3K-48ES-5G-NS, RHI-3.6K-48ES,
RHI-3.6K-48ES-5G, RHI-3.6K-48ES-
5G-NS,
RHI-4K-48ES-5G-NS, RHI-4.6K-48ES,
RHI-4.6K-48ES-5G, RHI-4.6K-48ES-
5G-NS,
RHI-5K-48ES, 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,
RAI-3K-48ES-5G

Storage battery system: L051100-A (Power Lite),
L051100-A1 (Power Lite)

Parameters:
Please see page 3 to page 6.

Tested according to: CEI 0-21:2022

Compliance Document

No. D 086470 0099 Rev. 01

	The following generators meet the requirements of CEI 0-21:2022					
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	Grid-interactive 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: Note: RAI-3K-48ES-5G can be operated with battery input only, other models can be operated with both PV and battery inputs.				
	Generator model	RHI-3K-48ES, RHI-3K-48ES-5G, RHI-3K-48ES-5G-NS, S5-EH1P3K-L, RAI-3K-48ES-5G	RHI-3.6K-48ES, RHI-3.6K-48ES-5G, RHI-3.6K-48ES-5G-NS, RHI-4K-48ES-5G-NS, S5-EH1P3.6K-L	RHI-4.6K-48ES, RHI-4.6K-48ES-5G, RHI-4.6K-48ES-5G-NS, S5-EH1P4.6K-L	RHI-5K-48ES, RHI-5K-48ES-5G, RHI-5K-48ES-5G-NS, S5-EH1P5K-L	RHI-6K-48ES-5G, RHI-6K-48ES-5G-NS, S5-EH1P6K-L
	Rated power	3000 W / 3300 VA	3600 W / 4000 VA	4600 W / 4600 VA	5000 W / 5500 VA	6000 W / 6600 VA
	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				

Compliance Document

No. D 086470 0099 Rev. 01

Section B	Characteristics of the interface protection system					
	Manufacturer	Ginlong Technologies Co., Ltd.				
	Model	RAI-3K-48ES-5G, RHI-3K-48ES, RHI-3K-48ES-5G, RHI-3K-48ES-5G-NS, RHI-3.6K-48ES, RHI-3.6K-48ES-5G, RHI-3.6K-48ES-5G-NS, RHI-4K-48ES-5G-NS, RHI-4.6K-48ES, RHI-4.6K-48ES-5G, RHI-4.6K-48ES-5G-NS, RHI-5K-48ES, 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				
	Type	<input checked="" type="checkbox"/> Integrated <input type="checkbox"/> Not integrated				
Section C	Characteristics of inverter (s)					
	Model of inverter	RHI-3K-48ES, RHI-3K-48ES-5G, RHI-3K-48ES-5G-NS, S5-EH1P3K-L, RAI-3K-48ES-5G	RHI-3.6K-48ES, RHI-3.6K-48ES-5G, RHI-3.6K-48ES-5G-NS, RHI-4K-48ES-5G-NS, S5-EH1P3.6K-L	RHI-4.6K-48ES, RHI-4.6K-48ES-5G, RHI-4.6K-48ES-5G-NS, S5-EH1P4.6K-L	RHI-5K-48ES, RHI-5K-48ES-5G, RHI-5K-48ES-5G-NS, S5-EH1P5K-L	RHI-6K-48ES-5G, RHI-6K-48ES-5G-NS, S5-EH1P6K-L
	Manufacturer of inverter	Ginlong Technologies Co., Ltd.				
	Firmware version	A1				
	Rated power	3000 W / 3300 VA	3600 W / 4000 VA	4600 W / 4600 VA	5000 W / 5500 VA	6000 W / 6600 VA

Compliance Document

No. D 086470 0099 Rev. 01

Characteristics of the Storage System (SdA)								
Section E	Representative Combination	RHI-3K-48ES, RHI-3K-48ES-5G, RHI-3K-48ES-5G-NS, RAI-3K-48ES-5G with L051100-A / L051100-A1 (1 piece)	RHI-3K-48ES, RHI-3K-48ES-5G, RHI-3K-48ES-5G-NS, RAI-3K-48ES-5G with L051100-A / L051100-A1 (2~16 pieces)	RHI-3.6K-48ES, RHI-3.6K-48ES-5G, RHI-3.6K-48ES-5G-NS, S5-EH1P3.6K-L RHI-4K-48ES-5G-NS, RHI-4.6K-48ES-5G, RHI-4.6K-48ES-5G-NS, S5-EH1P4.6K-L RHI-5K-48ES, RHI-5K-48ES-5G, RHI-5K-48ES-5G-NS, S5-EH1P5K-L RHI-6K-48ES-5G, RHI-6K-48ES-5G-NS, S5-EH1P6K-L with L051100-A / L051100-A1 (1 piece)	RHI-3.6K-48ES, RHI-3.6K-48ES-5G, RHI-3.6K-48ES-5G-NS, S5-EH1P3.6K-L RHI-4K-48ES-5G-NS with L051100-A / L051100-A1 (2~16 pieces)	RHI-4.6K-48ES, RHI-4.6K-48ES-5G, RHI-4.6K-48ES-5G-NS, S5-EH1P4.6K-L L051100-A / L051100-A1 (2~16 pieces)	RHI-5K-48ES, RHI-5K-48ES-5G, RHI-5K-48ES-5G-NS, S5-EH1P5K-L with L051100-A / L051100-A1 (2~16 pieces)	RHI-6K-48ES-5G, RHI-6K-48ES-5G-NS, S5-EH1P6K-L with L051100-A / L051100-A1 (2~16 pieces)
	Psn (nominal discharge power)	2300	3000	2300	3600	4600	4600	4600
	Pcn (nominal charging power)	3000	3000	3300	3600	4600	5000	6000
	Psmax (max. discharge power)	2300	3000	2300	3600	4600	4600	4600
	Pcmax (max. charging power)	3000	3000	3300	3600	4600	5000	6000

Compliance Document

No. D 086470 0099 Rev. 01

	Type	<input checked="" type="checkbox"/> Bidirectional <input type="checkbox"/> Monodirectional	
	Batteries that can be used with the above static converters		
	Brand	Shenzhen UZ Energy Limited	
	Technology	Li-Ion	
	Models	L051100-A	L051100-A1
	CUS module (kWh)	5.12	5.12
	BMS firmware version	LM-M01A-YZ107	
	Number of modules	1-16	1-16
	Note	Batteries are not contained in the inverter and should be installed according to local regulations and in accordance with BYD 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)	1) Test report according to Annex A, Annex B & Bbis: 70.409.20.081.14-00, 70.409.21.036.34-00 and 70.409.21.036.34-01	2) Test report EMC: a) C19-447-WT-01; b) C19-447-WT-02
	Issued by	Testing lab: 1) Ginlong Technologies Co., Ltd. Tests performed under supervision of certifier from TÜV SÜD Product Service GmbH	2) -a) & -b) Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co.,Ltd.
	Accreditation No.	D-ZE-11321-01-00	2) -a) & -b) CNAS L0130
Accreditation body ref.	DAKKS	CNAS	
Section III	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	