



Product Service

Compliance Document

No. D 086470 0193 Rev. 00

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

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

Product:

Energy Storage System
Hybrid 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.:

704092304889-00

Date,

2024-05-28

(Zhengdong Ma)

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ CERTIFICAT



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Model(s):

Hybrid inverter:
S6-EH3P12K-H, S6-EH3P15K-H, S6-EH3P20K-H

Storage battery system:
Force-H1-48/144-V2, Force-H1-48/192-V2,
Force-H1-48/240-V2, Force-H1-48/288-V2,
Force-H1-48/336-V2, 1~4 groups

Parameters:

Please see pages 3 to 5.

**Tested
according to:**

CEI 0-16:2022/V3:2024

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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 with storage battery system		
	Brand	Solis		
	Number of phase	<input type="checkbox"/> Single phase <input checked="" type="checkbox"/> Three phase Frequency: 50Hz Voltage: a.c. 400V		
	Primary energy used	<input 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	S6-EH3P12K-H	S6-EH3P15K-H	S6-EH3P20K-H
	Rated power	12000 W / 12000 VA	15000 W / 15000 VA	20000 W / 20000 VA
	The generator:	<input checked="" 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.		
	Model	S6-EH3P12K-H, S6-EH3P15K-H, S6-EH3P20K-H		
	Type	<input type="checkbox"/> Integrated <input checked="" type="checkbox"/> Not integrated		
Section C	Characteristics of inverter(s)			
	Model of inverter	S6-EH3P12K-H	S6-EH3P15K-H	S6-EH3P20K-H
	Manufacturer of inverter	Ginlong Technologies Co., Ltd.		
	Firmware version	A2	A2	A2
	Rated power of inverter (P _{NINV})	12000 W	15000 W	20000 W
Section E	Characteristics of the Storage System (SdA)			
	Model	S6-EH3PXXK-H with Force-H1-48/144-V2 (1 group), X=12,15,20	S6-EH3PXXK-H with Force-H1-48/192-V2 (1 group), X=12,15,20	S6-EH3PXXK-H with Force-H1-48/240-V2 (1 group), X=12,15,20
	Psn (nominal discharge power)	5000	6700	8400
	Pcn (nominal charging power)	6100	7600	9500
	Psmax (max. discharge power)	5000	6700	8400
	Pcmax (max. charging power)	6100	6700	9500
	Model	S6-EH3PXXK-H with Force-H1-48/288-V2 (1 group), X=12,15,20	S6-EH3P12K-H with Force-H1-48/336-V2 (1 group)	S6-EH3PXXK-H with Force-H1-48/336-V2 (1 group), X=15, 20
	Psn (nominal discharge power)	10100	11800	11800
	Pcn (nominal charging power)	11300	12000	13200
	Psmax (max.	10100	11800	11800

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discharge power)			
Pcmax (max. charging power)	11300	12000	13200
Model	S6-EH3PXX-H with Force-H1-48/144-V2 (2~4 groups), X=12,15,20	S6-EH3PXX-H with Force-H1-48/192-V2 (2~4 groups), X=12,15,20	S6-EH3P12K-H with Force-H1-48/240-V2 (2~4 groups)
Psn (nominal discharge power)	6800	9100	11400
Pcn (nominal charging power)	7700	10200	12000
Psmax (max. discharge power)	6800	9100	11400
Pcmax (max. charging power)	7700	10200	12000
Model	S6-EH3PXX-H with Force-H1-48/240-V2 (2~4 groups) X=15,20	S6-EH3P12K-H with Force-H1-48/288-V2(2-4 groups), or Force-H1-48/336-V2 (2~4 groups)	S6-EH3P15K-H with Force-H1-48/288-V2 (2~4 groups)
Psn (nominal discharge power)	11400	12000	13700
Pcn (nominal charging power)	12700	12000	15000
Psmax (max. discharge power)	11400	12000	13700
Pcmax (max. charging power)	12700	12000	15000
Model	S6-EH3P20K-H with Force-H1-48/288-V2 (2~4 groups)	S6-EH3P15K-H with Force-H1-48/336-V2 (2~4 groups)	S6-EH3P20K-H with Force-H1-48/336-V2 (2~4 groups)
Psn (nominal discharge power)	13700	15000	16000
Pcn (nominal charging power)	15200	15000	17800
Psmax (max. discharge power)	13700	15000	16000
Pcmax (max. charging power)	15200	15000	17800
Type	<input checked="" type="checkbox"/> Bidirectional <input type="checkbox"/> Monodirectional		
Batteries that can be used with the above inverters			
Brand	Pylon Technologies Co., Ltd.		
Technology	Li-Ion		
Models	Force-H1-48/144-V2	Force-H1-48/192-V2	Force-H1-48/240-V2
CUS module (kWh)	10.65 kWh (1 group)	14.20 kWh (1 group)	17.76 kWh (1 group)
BMS firmware version	V1.8	V1.8	V1.8
Models	Force-H1-48/288-V2	Force-H1-48/336-V2	-
CUS module (kWh)	21.31 kWh (1 group)	24.86 kWh (1 group)	-



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	BMS firmware version	V1.8	V1.8	
	Note	Batteries are not contained in the inverter and should be installed according to local regulations and in accordance with 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		
	Test Reports (RdP)	1) Test report according to Bbis: 704092304889-00		
	Issued by	Testing lab: 1) Manufacturer's laboratory Tests performed under supervision of certifier from TÜV SÜD Product Service GmbH		
	Accreditation No.	D-ZE-11321-01-00		
	Accreditation body reference.	DAKKS		
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		