

Compliance Document

No. D 076644 0030 Rev. 00

Holder of Certificate: **EAST Group Co., Ltd.**
No.6 Northern Industry Road
Songshan Lake Sci. & Tech. Industry Park
523808 DongGuan City, Guangdong Province
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
(Hybrid Inverter with storage battery system)

Model(s): **Inverter model: EAH1-6000-SL-S**
Battery model: 5KWH battery


Parameters: See page 2

Tested according to: CEI 0-21:2022

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.: 64290233090901

Date, 2023-08-18



(Billy Qiu)

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Parameters:

Model	EAHI-6000-SL-S
PV input rating	
Max. input power	8000 W
Rated input voltage	360 Vd.c.
Max. input voltage	550 Vd.c.
MPPT voltage range	100 Vd.c. ~ 540 Vd.c.
MPPT voltage range (full load)	250 Vd.c. ~ 450 Vd.c.
Max. input current	15/15 Ad.c.
PV short circuit current	20/20 Ad.c.
Battery input/output rating	
Battery type	Li-ion
Rated voltage	51.2 Vd.c
Battery voltage range	40.8 Vd.c. ~ 57.6 Vd.c.
Max. charging power	5000 W
Max. charging current	100 Ad.c.
Rated discharging power	6000 W
Max. discharging current	120 Ad.c.
Grid input rating	
Rated voltage	230 Va.c., L/N/PE
Rated frequency	50 Hz
Rated input active power	6000 W
Max. input apparent power	6000 VA
Rated input current	26.09 Aa.c.
Max. input current	26.09 Aa.c.
Grid output rating	
Rated voltage	230 Va.c., L/N/PE
Rated frequency	50 Hz
Rated output active power	6000 W
Max. output apparent power	6000 VA
Rated output current	26.09 Aa.c.
Max. output current	26.09 Aa.c.
Power factor	0.8 inductive to 0.8 capacitive

Battery model parameters see below page: 4

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The following generators meet the requirements of CEI 0-21:2022		
Section A	Manufacturer	EAST Group Co., Ltd. No.6 Northern Industry Road, Songshan Lake Sci. & Tech. Industry Park, 523808 DongGuan City, Guangdong Province, PEOPLE'S REPUBLIC OF CHINA
	Equipment type	Hybrid Inverter with storage battery system
	Brand	EAST Group Co., Ltd.
	Number of phase	<input checked="" type="checkbox"/> Single phase <input type="checkbox"/> Three phase Frequency: 50Hz Voltage: 230Va.c.
	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	EAHI-6000-SL-S
	Rated active power output to Grid	6000 W
	Maximum apparent power output to Grid	6000 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
Section B	Characteristics of the interface protection system	
	Manufacturer	EAST Group Co., Ltd.
	Model	EAHI-6000-SL-S
	Type	<input checked="" type="checkbox"/> Integrated <input type="checkbox"/> Not integrated
Section C	Characteristics of inverter(s)	
	Model of inverter	EAHI-6000-SL-S
	Manufacturer of inverter	EAST Group Co., Ltd.
	Firmware version	Inverter master: V1002
	Rated power of inverter (PNINV)	6000 W

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Section E	Characteristics of the Storage System (SdA)			
	Inverter forming storage system			
	Inverter manufacturer	EAST Group Co., Ltd.		
	Inverter model	EAHI-6000-SL-S		
	Battery forming storage system			
	Battery manufacturer	ESY Sunhome Co., Ltd.		
	Battery model	5KWH battery		
	Capacity of battery[kWh]	5.12 (with 1*battery unit)	10.24 (with 2*battery unit)	15.36 (with 3*battery unit)
		20.48 (with 4*battery unit)	25.60 (with 5*battery unit)	30.72 (with 6*battery unit)
	Remark: The Storage System parameters are referred to the report no: 64.290.23.30909.01			
	Type	<input checked="" type="checkbox"/> Bidirectional <input type="checkbox"/> Monodirectional		
	Batteries that can be used with the above static converters			
	Brand	EAST Group Co., Ltd.		
	Technology	LFP		
	Models	5KWH battery		
CUS module (kWh)	5.12 (with 1*battery module)			
BMS firmware version	V1.9			
Number of modules	1-6 pieces			
Note	Batteries are not contained in the inverter and should be installed according to local regulations and in accordance with the manufacturer's instructions.			
Section I	References of the laboratories that performed the tests and their test reports (RdP)			
	Selected method	<input checked="" type="checkbox"/> Tests performed by an accredited laboratory		
	Test Reports (RdP)	Test report according to Annex A and Annex Bbis: 64.290.23.30909.01		
	Issued by	Testing lab: TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch		
	Accreditation No.	D-PL-19065-01-01		
	Accreditation body ref.	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		