


Compliance Document

No. D 076644 0018 Rev. 01

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 models: EAHI-3000-SL, EAHI-3600-SL, EAHI-5000-SL, EAHI-6000-SL Battery models: US5000, US3000C, US2000C
Parameters:	See page 2
Tested according to:	CEI 0-21:2022 CEI 0-21:2022/V1:2022
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.:	64290223084102

Date, 2024-01-31



(Billy Qiu)

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Parameters:

Model	EAHI-3000-SL	EAHI-3600-SL	EAHI-5000-SL	EAHI-6000-SL
PV terminal parameters				
Maximum PV voltage	550 Vd.c.			
Rated voltage	360 Vd.c.			
MPPT voltage range	100 ~ 540 Vd.c.			
MPPT voltage range (full load)	250 ~ 450 Vd.c.			
Maximum input current	15 Ad.c.	15 Ad.c.	15 Ad.c.*2	15 Ad.c.*2
Isc PV	20 Ad.c.	20 Ad.c.	20 Ad.c.*2	20 Ad.c.*2
MPPT tracker number	1	1	2	2
Maximum input power	4680 W	4680 W	6500 W	7800 W
Battery input/output parameters				
Battery type	Lithium			
Maximum voltage	58.0 Vd.c.			
Battery rated voltage	51.2 Vd.c.			
Battery voltage range	42 ~ 58 Vd.c.			
Maximum charge power	3000 W	3600 W	5000 W	5750 W
Maximum discharge power	3000 W	3600 W	5000 W	6000 W
Maximum charge current	66 Ad.c.	75 Ad.c.	100 Ad.c.	100 Ad.c.
Maximum discharge current	66 Ad.c.	75 Ad.c.	100 Ad.c.	120 Ad.c.
Grid input terminal parameters				
Rated input voltage	1P+N+PE, 230 Va.c.			
Rated input frequency	50			
Maximum continuous input current	13.1 Aa.c.	15.7 Aa.c.	21.8 Aa.c.	26.09 Aa.c.
Maximum continuous input active power	3000 W	3600 W	5000 W	6000 W
Maximum continuous input apparent power	3000 VA	3600 VA	5000 VA	6000 VA
Grid output terminal parameters				
Rated output voltage	1P+N+PE, 230 Va.c.			
Rated output frequency	50			
Rated output current	13.1 Aa.c.	15.7 Aa.c.	21.8 Aa.c.	26.09 Aa.c.
Maximum continuous output current	13.1 Aa.c.	15.7 Aa.c.	21.8 Aa.c.	26.09 Aa.c.
Rated output active power	3000 W	3600 W	5000 W	6000 W
Maximum output active power	3000 W	3600 W	5000 W	6000 W
Maximum output apparent power	3000 VA	3600 VA	5000 VA	6000 VA
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)			
General parameter				
Ingress protection rating	IP66			
Operation temperature range	-25 °C to 60 °C			
Storage temperature range	-25 °C to 70 °C			
Relative humidity	0%RH to 90%RH			

Battery model parameters see below pages:

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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			
	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	EAHI-3000-SL	EAHI-3600-SL	EAHI-5000-SL	EAHI-6000-SL
	Rated active power output to Grid	3000 W	3600 W	5000 W	6000 W
	Maximum apparent power output to Grid	3000 VA	3600 VA	5000 VA	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-3000-SL, EAHI-3600-SL, EAHI-5000-SL, EAHI-6000-SL			
	Type	<input checked="" type="checkbox"/> Integrated <input type="checkbox"/> Not integrated			
Section C	Characteristics of the static converter				
	Model of inverter	EAHI-3000-SL	EAHI-3600-SL	EAHI-5000-SL	EAHI-6000-SL
	Manufacturer of the static converter	EAST Group Co., Ltd.			
	Firmware version	V1102			
	Rated power of inverter (PNINV)	3000 W	3600 W	5000 W	6000 W

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Section E	Characteristics of the Storage System (SdA)				
	Converter forming storage system				
	Converter manufacturer	EAST Group Co., Ltd.			
	Converter model	EAHI-3000-SL	EAHI-3600-SL	EAHI-5000-SL	EAHI-6000-SL
	Battery forming storage system				
	Battery manufacturer	Pylon Technologies Co., Ltd.			
	Battery model	US5000	US3000C	US2000C	
	Capacity of battery[kWh]	3.85 (with 1x battery unit)	1.78 (with 1x battery unit)	1.35 (with 1x battery unit)	
		7.70 (with 2x battery unit)	3.56 (with 2x battery unit)	2.70 (with 2x battery unit)	
		11.55 (with 3x battery unit)	5.34 (with 3x battery unit)	4.05 (with 3x battery unit)	
		15.40 (with 4x battery unit)	7.12 (with 4x battery unit)	5.40 (with 4x battery unit)	
		19.25 (with 5x battery unit)	8.90 (with 5x battery unit)	6.75 (with 5x battery unit)	
		23.10 (with 6x battery unit)	10.68 (with 6x battery unit)	8.10 (with 6x battery unit)	
	Remark: The Storage System parameters are referred to the report no: 64.290.22.30841.02				
	Type	<input checked="" type="checkbox"/> Bidirectional <input type="checkbox"/> Monodirectional			
	Batteries that can be used with the above static converters				
	Brand	Pylon Technologies Co., Ltd.			
	Technology	Lithium			
	Models	US5000	US3000C	US2000C	
	CUS module (kWh)	3.85 (with 1x battery unit)	1.78 (with 1x battery unit)	1.35 (with 1x battery unit)	
	BMS firmware version	US5000_V1.4	US3000C_V1.4	US2000C_V1.4	
	N. 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 Pylon instruction.			
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, Bbis: 64.290.22.30841.02			
	Issued by	Testing lab: TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch			
	Accreditation No.	D-PL-19065-01-00			
	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			