

## **Certificate of compliance**

	Applicant:		BLDG#5, West Industria		ue, Xiangxi High-tech Zone,	
		China				
	Product:	AC Coupled ESS				
	Model:	MST-BIE2.5-2500, MST-BIE5-2500, MST-BIE2.5-0800, MST-BIE5-0800				
	The device is designed to work as a generation unit of the type: A					
	Inverter for single-phase parallel connection to the public grid.					
	Applied rules and sta	indards:				
	Requirements for paral	ons up to and including Typ ange	ns with distribution netwo	ks - Part 1: Connection	n to an LV distribution network -	
	<ul> <li>4.6 Active response to frequency deviation</li> <li>4.7 Power response to voltage variations and voltage changes</li> <li>4.8 EMC and power quality</li> <li>4.9 Interface protection</li> <li>4.10 Connection and starting to generate electrical power</li> <li>4.11 Ceasing and reduction of active power on set point</li> <li>4.13 Requirements regarding single fault tolerance of interface protection system and interface switch</li> </ul>					
	EN 50549-10:2022, NE	cription regarding power-ge <b>3N EN 50549-10:2022</b> erating plants to be connect	*********			
	assessment of generating units Compliance with the parameters in Annex C of the standard (assessment for the parameters in Annex C of the standard)					
	(see manufacturer's declaration) <b>Commission Regulation (EU) 2016/631 of 14 April 2016</b> Establishing a network code on requirements for grid connection of generators (NC RFG). Type approval for generation units to use in Type A plants.					
	At the time of issue of this certificate, the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.					
	Report number:	CSLL-ESH-P24121000		Certification Progra	m: NSOP-0032-DEU-ZE-V10	
	Certificate number:		Certification body Domenik Koll Head of Energy Systems Ge	rmany	2025-01-22 Accreditation	

Accredited certification body by Deutsche Akkreditierungsstelle GmbH (DAkkS) according to ISO/IEC 17065. The accreditation is valid only for the scope listed in the annex of the accreditation certificate D-ZE-12024-01-00. The Deutsche Akkreditierungsstelle GmbH (DAkkS) is signatory of the multilateral arrangements of EA, ILAC and IAF for mutual recognition. Without the written consent of Bureau Veritas Consumer Products Services Germany GmbH excerpts of this certificate of conformity shall not be reproduced.

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ZERT-0075-DEU-ZE-ES-V01/TEMP-0048-DEU-ZE-ES-V01



## Annex certificate of conformity No. U25-0032

Extract from test report CSLL-ESH-P24121000 issued by a testing laboratory accredited by "Deutsche Akkreditierungsstelle GmbH (DAkkS)" according to ISO/IEC 17025. The accreditation is only valid for the scope listed in the annex of the accreditation certificate "D-PL-12024-03-04".

Manufacturer	Hamedata Technology Co.,Limited 1-3F 8; 6-8F, BLDG#A, Changfang industrial Park, No.2 Guihua 5th Road, pingshan District, shenzhen, Guangdong						
	China	China					
Product type	AC Coupled ESS	AC Coupled ESS					
Static converter model	MST-BIE2.5-2500	MST-BIE2.5-0800	MST-BIE5-2500	MST-BIE5-0800			
Input DC (battery)							
DC voltage range [V]	44,8-58,4	44,8-58,4	44,8-58,4	44,8-58,4			
Max. charge current [A]	45	45	60	60			
Max. discharge current [A]	60	60	60	60			
Output AC							
Rated AC voltage [V]	L/N/PE, 230, 50Hz	L/N/PE, 230, 50Hz	L/N/PE, 230, 50Hz	L/N/PE, 230, 50Hz			
Rated output current [A]	10,9	3,48	10,9	3,48			
Rated apparent power [VA]	2500	800	2500	800			



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Interface protection system and interface switch (Network and system protection "NS-protection")					
Type of protection	Integrated NS-protection				
Assigned to generation unit type	MST-BIE2.5-2500, MST-BIE5-2500, MST-BIE2.5-0800, MST-BIE5-0800				
Integrated interface switch	Type of switching equipment 1: galvanic separation HF-Transformer Type of switching equipment 2: Relay (Model HF140FF-G)				
	Note: The output is switched off by the inverter bridge and one relay in series in each line and neutral.				
Firmware version	V137				

## Note

The settings of the generators are password protected adjustable.

In case the generators are used with an external protection device, the protection settings of the inverters are to be adjusted according to the manufacturer's declaration.

The above stated generators are tested according to the requirements in the EN 50549-1 and the Commission Regulation (EU) 2016/631 of 14 April 2016. Any modification that affects the stated tests must be named by the manufacturer/supplier of the product to ensure that the product meets all requirements.