

Certificate of Conformity

Registered No.:

COCPVP02105/23B-08

File reference
PVP02105/23B-07

Test report No.
TRPVP02105/23B/07

Date of issue
2023-09-27

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: Xiamen E-star Energy Co., Ltd.
5F, Liantai Bldg, No. 43 Huli Avenue, Xiamen, China

Manufacturer: Xiamen E-star Energy Co., Ltd.
5F, Liantai Bldg, No. 43 Huli Avenue, Xiamen, China

Factory: Xiamen E-star Energy Co., Ltd.
Room 501-1, No. 43, Huli Avenue, Huli District, Xiamen, China

Product: Grid Support Utility Interactive Inverter

Type designation: HERF-600, HERF-800, HERF-1000
Single-phase, Firmware version: V01.00.04

Type of equipment: Interface device
 Interface protection
 Static conversion device
 Rotary generation device
Remark: The device is for plants below 11.08kW.

Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): CEI 0-21:2019-04, CEI 0-21:2022-03, CEI 0-21;V1:2022-11 "Reference technical rules for the connection of active and passive users to the LV electrical Utilities"
See test report for detailed information.

Certification body: TÜV NORD (HANGZHOU) CO., LTD.
Room B409, Building 1, No. 9, Jiuhuan Road, Shangcheng District, Hangzhou City, Zhejiang Province, 310019, P.R. China
Accredited by CNAS according to ISO/IEC 17065:2012; certificate no. CNAS C183-P.



Renewable Energy

BOS&ESS-T-004 COC



中国认可
产品
PRODUCT
CNAS C183-P

TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Testing laboratory:

Dongguan BALUN Testing Technology Co., Ltd.

Room 104/204/205, Building 1, No. 6, Industrial South Road,
Songshan Lake District, Dongguan, Guangdong, China

Accredited by CNAS according to ISO/IEC 17025:2017, certificate no.
CNAS L14701

Conclusion:

After verifying following documents, it is concluded that the product is in compliance with the requirements of CEI 0-21:2019-04, CEI 0-21:2022-03, CEI 0-21;V1:2022-11

ISO 9001 certificate:

Certificate no. 98022Q10669R0S, issued by Shenzhen Hongfan International Certification Center Co., Ltd

Test report of CEI 0-21:2019-04, CEI 0-21:2022-03, CEI 0-21;V1:2022-11:

Report no. BL-DG2340142-201, issued by Dongguan BALUN Testing Technology Co., Ltd., accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L14701

Test report of EMC:

Report no. BMH-ESH-P22110201B-1, issued by Bureau Veritas ADT (Shanghai) Corporation, accredited by A2LA according to ISO/IEC 17025:2017, certificate no. 2343.01.

Report no. J23-377-WT-02, issued by Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co., Ltd., accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L0130

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



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Member of TÜV NORD Group

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Fax: +86-571-85386986

www.tuv-nord.com/cn

P.R. China

Version 1.0

Annex to Certificate No.: COCPVP02105/23B-08

File no.: PVP02105/23B-07

2023-09-27

Description of product(s):

Model types:	HERF-600	HERF-800	HERF-1000
PV input			
Vmax PV [V d.c.]:	60		
Mpp voltage range [V d.c.]:	16-48		
Isc PV [A d.c.]:	2*20		
Max. input current [A d.c.]:	2*13.0	2*13.5	2*14.5
Overvoltage category (OVC):	II		
AC output (Grid Side) parameters			
Rated output voltage [V a.c.]:	230		
Rated output frequency [Hz]:	50		
Rated output power [VA]:	600	800	980
Rated Output Current [Aa.c.]:	2.61	3.48	4.26
Power factor cosφ [λ]:	>0.99		
Overvoltage category (OVC):	III		



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