Certificate

of Conformity

Registered No.:

COCPVP04066/24E-01

File reference	Test report No.	Date of issue
PVP04066/24E-01	TRPVP04066/24E/01	2024-07-11

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: **Zhejiang Hyxi Technology Co., Ltd.**

9-10F, Building 3, Jiuyao Commercial Center, Zhuantang Street, Xihu District, Hangzhou city, Zhejiang Province, China.

Manufacturer: **Zhejiang Hyxi Technology Co., Ltd.**

9-10F, Building 3, Jiuyao Commercial Center, Zhuantang Street, Xihu District, Hangzhou city, Zhejiang Province, China.

Factory: **DGB(Jiaxing)Technology Electronics Co., Ltd**

Building A, No. 148, Tianshu Road, Jiaxing Economic and Technology Development Zone, Jiaxing City, 314000 Zhejiang, P.R. China

Product: Three Phase Hybrid Inverter

Type designation: HYX-H5K-HT, HYX-H6K-HT, HYX-H8K-HT, HYX-H10K-HT, HYX-H12K-HT

Type of equipment:

☐ Interface device

☐ Interface protection

☒ Static conversion device

☐ Rotary generation device

Remark: The device is for plants of each power.

Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): CEI 0-16:2019-04, CEI 0-16;V1:2020-12, CEI 0-16;V2:2021-06 CEI 0-16:2022-03, CEI 0-16;V1:2022-11, CEI 0-16;V2:2023-05 CEI 0-16;V3:2024-01

See test report for detailed information.

Renewable Energy

CNAS 中国认可 产品 PRODUCT CNAS C183-P

TÜV NORD (HANGZHOU) CO., LTD.
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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.
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 0-16:2019-04, CEI 0-16;V1:2020-12, CEI 0-16;V2:2021-06, CEI 0-16:2022-03, CEI 0-16;V1:2022-11, CEI 0-16;V2:2023-05, CEI 0-16;V3:2024-01 ☒ ISO 9001 certificate: Certificate no. 01 100 2232352, issued by TÜV Rheinland China Ltd. ☒ Test report of CEI 0-16:2019-04, CEI 0-16;V1:2020-12, CEI 0-16;V2:2021-06, CEI 0-16:2022-03, CEI 0-16;V1:2022-11, CEI 0-16;V2:2023-05, CEI 0-16;V3:2024-01 Report no. BL-DG2461145-201 (Rev.01), issued by Dongguan BALUN Testing Technology Co., Ltd., accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L14701

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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Description of product(s):

Three Phase Hybrid Inverter			
Model or Type designation	**HYX-H5K-HT**	**HYX-H6K-HT**	**HYX-H8K-HT**
PV input parameters:			
Max. Input PV Voltage [Vd.c.]	1000		
MPPT Voltage Range [Vd.c.]	140-980		
Max input current [Ad.c.]	18/18		
PV Short-circuit current [Ad.c.]	30/30		
Battery input parameters:			
Battery type	Lithium-ion		
Battery Voltage Range [Vd.c.]	150-600		
Max. Charging/ Discharging Current [Ad.c.]	40		
On-grid AC output parameters:			
Rated Output Voltage [Va.c.]	220/230/240, 3/N/PE		
Rated Output Frequency [Hz]	50/60		
Normal Output Power [W]	5000	6000	8000
Max. Output Power [VA]	5500	6600	8800
Max. Output Current [Aa.c.]	8.4	10.0	13.4
Power Factor cosφ [λ]	0.8leading-0.8lagging		
Back-up parameters:			
Rated Output Voltage [Va.c.]	220/230/240, 3/N/PE		
Rated Output Frequency [Hz]	50/60		
Max. Output Current [Aa.c.]	8.4	10.0	13.4
Max. Output Power [VA]	5500	6600	8800
Others:			
Protective Class	Class I		
Inverter Topology	Non-isolation		
Operation Temperature Range	-30~60°C		
Ingress Protection	IP65		
Overvoltage-Category	DC(PV&Battery) II, AC(Main) III		
Software version	V2.0		
Model or Type designation	**HYX-H10K-HT**	**HYX-H12K-HT**	
PV input parameters:			

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Max. Input PV Voltage [Vd.c.]	1000	
MPPT Voltage Range [Vd.c.]	140-980	
Max input current [Ad.c.]	18/18/18	
PV Short-circuit current [Ad.c.]	30/30/30	
Battery input parameters:		
Battery type	Lithium-ion	
Battery Voltage Range [Vd.c.]	150-600	
Max. Charging/ Discharging Current [Ad.c.]	40	
On-grid AC output parameters:		
Rated Output Voltage [Va.c.]	220/230/240, 3/N/PE	
Rated Output Frequency [Hz]	50/60	
Normal Output Power [W]	10000	12000
Max. Output Power [VA]	11000	13200
Max. Output Current [Aa.c.]	16.7	20.0
Power Factor cosφ [λ]	0.8leading-0.8lagging	
Back-up parameters:		
Rated Output Voltage [Va.c.]	220/230/240, 3/N/PE	
Rated Output Frequency [Hz]	50/60	
Max. Output Current [Aa.c.]	16.7	20.0
Max. Output Power [VA]	11000	13200
Others:		
Protective Class	Class I	
Inverter Topology	Non-isolation	
Operation Temperature Range	-30~60°C	
Ingress Protection	IP65	
Overvoltage-Category	DC(PV&Battery) II, AC(Main) III	
Software version	V2.0	

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Remark: The inverters listed above may be installed with the following batteries:

Manufacturer:	Zhejiang Hyxi Technology Co., Ltd.		
Model or Type designation	HYX-E100-H	HYX-E150-H	HYX-E200-H
Cell Type	LiFePO4		
Normal Energy [kWh]	10.6	15.9	21.2
Rated Voltage [Vdc]	204.8	307.2	409.6
Nominal Output Power [kW]	6.0	9.0	12.0
Module Number	2	3	4
Max Charge/ Discharge Current [Adc]	35		
Version firmware BMS	V1.03.00		
Note: The batteries are not integrated into the inverter and must be installed according to the local regulations.			

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