

## VERIFICATION OF COMPLIANCE

No.:	LVD GZES2507012847PV
Applicant:	Zhejiang Hyxi Technology Co., Ltd. Room 216, Block A, Building 1, No. 57 Jiang'er Road, Changhe Street, Binjiang District, Hangzhou, Zhejiang Province, China
Manufacturer:	Zhejiang Hyxi Technology Co., Ltd. Room 216, Block A, Building 1, No. 57 Jiang'er Road, Changhe Street, Binjiang District, Hangzhou, Zhejiang Province, China
Product Name:	Bidirectional Converter
Product Description:	Three-phase hybrid inverter used with photovoltaic modules or battery system
Model No.:	See page 2-3
Trade Mark:	
Rating:	See page 2-3
Protection against Electric Shock:	Class I
Degree of Protection:	IP66
Additional Information:	-
Sufficient samples of the product have been tested and found to be in conformity with	
Test Standard:	EN 62109-1:2010 EN 62109-2:2011
as shown in the	GZES250701284701
Test Report Number(s):	GZES250701284702

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant harmonized standards under the Low Voltage Directive 2014/35/EU. The CE marking can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that the conditions in annexes III and IV of the Directive are fulfilled.



David Guo

Technical Manager

SGS-CSTC Standards Technical Services Co., Ltd.

2025-08-01



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**SGS-CSTC Standards Technical Services Co., Ltd.**  
16F, Century Yu Hui Mansion, No.73, Fucheng Road, Haidian District, Beijing, 100142, CHINA  
[www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
Member of the SGS Group (SGS SA)

No.: LVD GZES2507012847PV

Other information added:

Rating:

Model	HYX-H 50K-ET	HYX-H 75K-ET	HYX-H 80K-ET	HYX-H 99K9-ET	HYX-H 100K-ET	HYX-H 110K-ET	HYX-H 125K-ET
<b>PV Input</b>							
Max. DC input voltage (V)				1100			
Start-up DC input voltage (V)				160			
Nominal DC input voltage (V)				650			
MPPT operating range (V)				140 - 1000			
Max. DC input current per MPPT (A)				40			
Max. DC input current per string (A)				20			
Max. short circuit current per MPPT (A)				50			
Number of MPPT	4	6	6	8	8	8	8
Number of Input	8	12	12	16	16	16	16
<b>Battery</b>							
Rated input voltage (V)				768			
Battery voltage range (V)				600 - 950			
Max. Charge/Discharge Current (A)	80.8	121.3	129.3	161.7	161.7	177.9	183.8
<b>AC Output</b>							
Nominal grid voltage (V)				3L/N/PE, 230/400			
Nominal grid frequency (Hz)				50			
Rated output power (kW)	50	75	80	99.9	100	110	125
Max. apparent power (kVA)	55	82.5	88	109.9	110	121	125
Rated AC current (A)	72.1	108.2	115.5	144.3	144.3	158.7	180.4
Max. output current (A)	79.4	119.0	127.0	158.7	158.7	174.6	180.4
Output power factor				> 0.99 (0.8 leading - 0.8 lagging)			
<b>General Data</b>							
Operating temperature range				-30 °C to +60 °C			
Ingress protection rating				IP66			
Protective class				Class I			
Cooling method				Smart air cooling			
Topology				Non-Isolation			

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No.:

LVD GZES2507012847PV

Other information added:

Rating:

Model	HYX-S 50K-T2	HYX-S 75K-T2	HYX-S 80K-T2	HYX-S99K9-T2	HYX-S100K-T2	HYX-S110K-T2	HYX-S125K-T2
<b>PV Input</b>							
Max. DC input voltage (V)				1100			
Start-up DC input voltage (V)				160			
Nominal DC input voltage (V)				650			
MPPT operating range (V)				140 - 1000			
Max. DC input current per MPPT (A)				40			
Max. DC input current per string (A)				20			
Max. short circuit current per MPPT (A)				50			
Number of MPPT	4	6	6	8	8	8	8
Number of Input	8	12	12	16	16	16	16
<b>AC Output</b>							
Nominal grid voltage (V)				3L/N/PE, 230/400			
Nominal grid frequency (Hz)				50			
Rated output power (kW)	50	75	80	99.9	100	110	125
Max. apparent power (kVA)	55	82.5	88	109.9	110	121	125
Rated AC current (A)	72.1	108.2	115.5	144.3	144.3	158.7	180.4
Max. output current (A)	79.4	119.0	127.0	158.7	158.7	174.6	180.4
Output power factor	> 0.99 (0.8 leading - 0.8 lagging)						
<b>General Data</b>							
Operating temperature range				−30 °C to +60 °C			
Ingress protection rating				IP66			
Protective class				Class I			
Cooling method				Smart air cooling			
Topology				Non-Isolation			


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