

## 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

Test Report Number(s): GZES250701284701  
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.  
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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- H99K9 -ET	HYX- H100K -ET	HYX- H110K -ET	HYX- H125K -ET
PV Input							
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
Battery							
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
AC Output							
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)						
General Data							
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						
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