

# CERTIFICATE

of conformity with the following European Directives

## Low Voltage Directive 2014/35/EU

This certifies that below described products of the applicant:

### Zhejiang Hyxi Technology Co., Ltd.

Room 216, Block A, Building 1, No. 57 Jiang'er Road, Changhe Street, Binjiang District, Hangzhou, Zhejiang, China.

comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

**Product(s):** Three Phase String Inverter

**Model type(s):** HYX-S29K9-T, HYX-S30K-T, HYX-S33K-T, HYX-S36K-T, HYX-S40K-T, HYX-S50K-T

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity. The CE marking may be affixed on the product if all relevant and effective Directives are complied with, under full responsibility of the holder.

**Certification program:** P33-VA-01 Rev. 02 / 04.20  
**Certification fundamental(s):** EN 62109-1:2010; EN 62109-2:2011  
**Registered no.:** 44 799 24 406749 - 430  
**Report no.:** 492013504.001  
**File no.:** PVP07195/24E-01



TÜV NORD CERT GmbH  
Certification Body  
Balance of System (BOS) for Photovoltaics

Essen, 2024-12-23

# ANNEX

Annex 1, Page 1 of 3

to Certificate registration no. 44 799 24 406749 - 430

**Description of product(s):**

Model or Type designation	HYX-S29K9-T	HYX-S30K-T	HYX-S33K-T
<b>PV input parameters:</b>			
Max Input Voltage [Vd.c.]	1100		
MPPT Voltage Range [Vd.c.]	140-1000		
Max Current [Ad.c.]	40/40/40		
Isc PV [Ad.c.]	50/50/50		
Overtoltage Category (OVC)	II		
<b>On-grid AC parameters:</b>			
Rated Voltage [Va.c.]	3L/N/PE, 400		
Rated Frequency [Hz]	50/60		
Max apparent power [VA]	29900	33000	36300
Max output current [A a.c.]	43.1	47.6	52.4
Power Factor $\cos\phi$ [ $\lambda$ ]	>0.99 (0.8 leading to 0.8 lagging)		
Overtoltage Category (OVC)	III		
<b>Others:</b>			
Type of converter	Non-Isolated		
Protective Class	Class I		



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Operating Temperature Range [°C]	-30 to 60 (derating at +45)
Ingress protection	IP66
Software Version	V1.0

Model or Type designation	HYX-S36K-T	HYX-S40K-T	HYX-S50K-T
<b>PV input parameters:</b>			
Max Input Voltage [Vd.c.]	1100		
MPPT Voltage Range [Vd.c.]	140-1000		
Max Current [Ad.c.]	40/40/40	40/40/40/40	
Isc PV [Ad.c.]	50/50/50	50/50/50/50	
Overvoltage Category (OVC)	II		
<b>On-grid AC parameters:</b>			
Rated Voltage [Va.c.]	3L/N/PE, 400		
Rated Frequency [Hz]	50/60		
Max apparent power [VA]	39600	44000	55000
Max output current [A a.c.]	57.2	63.5	79.4
Power Factor $\cos\phi$ [ $\lambda$ ]	>0.99 (0.8 leading to 0.8 lagging)		
Overvoltage Category (OVC)	III		



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Others:	
Type of converter	Non-Isolated
Protective Class	Class I
Operating Temperature Range [°C]	-30 to 60 (derating at +45)
Ingress protection	IP66
Software Version	V1.0

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex of evaluation report.



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Essen, 2024-12-23

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