



Product Service

# Attestation of Conformity

No. T8A 096640 0033 Rev. 00

**Holder of Attestation: AXITEC Energy GmbH & Co. KG**Otto-Lilienthal-Straße 5  
71034 Böblingen  
GERMANY**Product: Converter  
Hybrid Inverter**

This Attestation of Conformity is issued on a voluntary basis in support of the Conformity Assessment Module A of Radio Equipment Directive 2014/53/EU. On the basis of the referenced test reports, the samples of the listed product were found to comply with the essential requirements of the above mentioned directive as implemented in the standards used valid at the time the tests were carried out. For the requirements of the Article(s) 3(2) and 3(3) only harmonized standards valid at the moment of issuing were used. The used standards cover the essential requirements of the Radio Equipment Directive as applicable to this product. The manufacturer must ensure compliance of the manufactured products with the technical documentation and other requirements of the Radio Equipment Directive that apply to them. National legal requirements have to be considered before bringing the product to the market. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 4812825002000**Date,** 2025-02-11  
( Ming Gu )

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**Model(s):** AXIhycon 29.9H, AXIhycon 30H, AXIhycon 40H,  
AXIhycon 50H, AXIhycon 50H-YD

**Parameters:**

Test report No.:

4812825002000A (EN IEC 61000-6-2, EN IEC 61000-6-4,  
EN 55011, EN 62920)  
4812825002000B (EN 301 489-1, EN 301 489-17)  
4812825002000C (EN 300 328, EN 50663)  
701262501101-00 (EN 62109-1, EN 62109-2)

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Model	AXIhycon 30H	AXIhycon 40H	AXIhycon 50H
<b>PV-Input</b>			
Max. input voltage d.c.	1000 V		
Mppt voltage range d.c.	150-850 V		
Max. input current d.c.	3x40 A	4x40 A	4x40 A
Isc PV (absolute maximum) d.c.	3x60 A	4x60 A	4x60 A
<b>Battery</b>			
Battery type	Li-ion		
Battery Voltage range d.c.	150-800V		
Max. Charge/discharge current d.c.	2X70A /2X70A		
<b>AC-Output (Back-up)</b>			
Max. /Rated output power a.c.	30000 W	40000 W	50000 W
Nominal output voltage a.c.	3/N/PE 220/380 V 3/N/PE 230/400 V		
Nominal Frequency	50/60Hz		
Max. /Rated output current a.c.	45.6 A / 43.3 A	60.8 A / 57.7 A	76.0 A / 72.2 A
<b>AC-Output (Grid side)</b>			
Max. /Rated apparent output power a.c.	30000 VA	40000 VA	50000 VA
Nominal output voltage a.c.	3/N/PE 220/380 V 3/N/PE 230/400 V		
Nominal Frequency	50/60Hz		
Max. /Rated output current a.c.	45.6 A / 43.3 A	60.8 A / 57.7 A	76.0 A / 72.2 A
Power factor range	-0.8...1...+ 0.8		
Protective class	I		
Ingress protection	IP66		
Ambient temperature	-25...+60°C		
<b>AC-Input (For grid port and Gen port)</b>			
Nominal voltage a.c.	3/N/PE 220/380 V 3/N/PE 230/400 V		
Grid max.(rated) continuous current	91.2 A / 86.6 A	121.6 A / 115.4 A	152.0 A / 144.4 A
Gen max.(rated) continuous current	45.6 A / 43.3 A	60.8 A / 57.7 A	76.0 A / 72.2 A
Nominal Frequency	50/60Hz		

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Model	AXIhycon 50H-YD	AXIhycon 29.9H
<b>PV-Input</b>		
Max. input voltage d.c.	1000 V	
Mppt voltage range d.c.	150-850 V	
Max. input current d.c.	4x40 A	3x40 A
Isc PV (absolute maximum) d.c.	4x60 A	3x60 A
<b>Battery</b>		
Battery type	Li-ion	
Battery Voltage range d.c.	150-800V	
Max. Charge/discharge current d.c.	2X70A / 2X70A	
<b>AC-Output (Back-up)</b>		
Max. /Rated output power a.c.	50000W	29900W
Nominal output voltage a.c.	3/N/PE 220/380 V 3/N/PE 230/400 V	
Nominal Frequency	50/60Hz	
Max. /Rated output current a.c.	76.0 A / 72.2 A	45.4 A / 43.2 A
<b>AC-Output (Grid side)</b>		
Max. /Rated apparent output power a.c.	50000 VA	29900 VA
Nominal output voltage a.c.	3/N/PE 220/380 V 3/N/PE 230/400 V	
Nominal Frequency	50/60Hz	
Max. /Rated output current a.c.	76.0 A / 72.2 A	45.4 A / 43.2 A
Power factor range	-0.8...1...+ 0.8	
Protective class	I	
Ingress protection	IP66	
Ambient temperature	-25...+60°C	
<b>AC-Input (For grid port and Gen port)</b>		
Nominal voltage a.c.	3/N/PE 220/380 V 3/N/PE 230/400 V	
Grid max.(rated) continuous current	152.0 A / 144.4 A	90.8 A / 86.4 A
Gen max.(rated) continuous current	76.0 A / 72.2 A	45.4 A / 43.2 A
Nominal Frequency	50/60Hz	

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**Tested  
according to:**

EN IEC 61000-6-2:2019  
EN IEC 61000-6-4:2019  
EN 55011:2016/A2:2021  
EN 62920:2017/A1:2021  
EN 301 489-1 V2.2.3:2019  
EN 301 489-17 V3.3.1:2024  
EN 300 328 V2.2.2:2019  
EN 50663:2017  
EN 62109-1:2010  
EN 62109-2:2011

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