

CERTIFICATE

of conformity with the following European Directives

Low Voltage Directive 2014/35/EU

This certifies that below described products of the applicant:

AI Power (Suzhou) Tech Co., Ltd.

No.6 Pingkang Road, Xiangcheng District, Suzhou City, Jiangsu, 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): Power Conversion System

Model type(s): AIPS-30A, AIPS-50A

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.

Certification program: P31-VA-01 Rev. 02 / 04.20

Certification fundamental(s): EN 62477-1:2012+A1:2017
EN 62477-1:2012+A12:2021

Registered no.: 44 799 23 406749 - 378

Report no.: 492012686.001

File no.: PVP06116/23E-02



TÜV NORD CERT GmbH
Certification Body
Energy Storage System

Essen, 2023-11-29

TÜV NORD CERT GmbH

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Please also pay attention to the information stated overleaf.



The CE marking may be affixed on the product if all relevant and effective Directives are complied with.



ANNEX

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to Certificate registration no. 44 799 23 406749 - 378

Description of product(s):

Model or Type designation	AIPS-30A	AIPS-50A
DC parameters		
Voltage Range [Vd.c.]	650-850	
Rated charging/discharging current [Ad.c.]	40.0	66.7
Max. charging/discharging current [Ad.c.]	46.0	77.0
Overvoltage Category (OVC)	II	
AC parameters		
Voltage Range [Va.c.]	400Va.c.,3/PE, 50/60Hz	
Rated. Current [Aa.c.]	44.0	73.0
Max. Current [Aa.c.]	52.0	87.0
Rated. Power [kW]	30.0	50.0
Max. Apparent Power [kVA]	36.0	60.0
Power Factor $\cos\phi$ [λ]	0.9 leading to 0.9 lagging	
Overvoltage Category (OVC)	III	
System		
Type of converter	Non-Isolated	
Protective Class	I	
Enclosure Protection (IP)	IP20	
Operating Temperature Range [°C]	-20 to 60 (Derating above 45°C)	
Firmware	230310	

Remark:

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

