

CERTIFICATE

AI Power (Suzhou) Tech Co., Ltd.

No.6 Pingkang Road, Xiangcheng District, Suzhou City, Jiangsu, China

is authorized to provide the product(s) mentioned below with the mark as illustrated:



Description of product(s) (details see Annex 2):

Power Conversion System

It is certified by TÜV NORD CERT GmbH that the product(s) described above has(have) been assessed according to the certification program mentioned below and found in compliance with the requirements of below specified certification fundamental(s). This certification is based on evaluation results as documented in test report(s) referenced below and production site(s) audit results as documented in factory inspection report(s) referenced in Annex 1. This certificate is valid in conjunction with these quoted report(s).

Certification program:	P31-VA-01 Rev. 02 / 04.20	
Certification fundamental(s):	IEC 62477-1:2012+AMD1:2016	
Registered no.:	44 780 23 406749 - 432	
Manufacturer and factory(-ies):	See Annex 1	
Report no.:	492012686.001	Valid from: 2023-11-29
File no.:	PVP06116/23E-02	Valid until: 2028-11-28



TÜV NORD CERT GmbH
Certification Body
Energy Storage System



Essen, 2023-11-29

ANNEX

Annex 1, Page 1 of 1

to Certificate registration no. 44 780 23 406749 - 432

Manufacturer:

AI Power (Suzhou) Tech Co., Ltd.

No.6 Pingkang Road, Xiangcheng District, Suzhou City, Jiangsu, China

Factory:

AI Power (Suzhou) Tech Co., Ltd.

No.6 Pingkang Road, Xiangcheng District, Suzhou City, Jiangsu, China

Factory inspection report no.: 862010828.001

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.

A handwritten signature in blue ink, appearing to read "Jannflemer".

TÜV NORD CERT GmbH
Certification Body
Energy Storage System

Essen, 2023-11-29

ANNEX

Annex 2, Page 1 of 1

to Certificate registration no. 44 780 23 406749 - 432

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.

