

Certificate of Conformity

Certificate Number: CN-PVES-250403

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	Afore New Energy Technology (Shanghai) Co., Ltd. Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China. 201112
Manufacturer:	Afore New Energy Technology (Shanghai) Co., Ltd. Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China. 201112
Factory:	Afore New Energy Technology (Shanghai) Co., Ltd. Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China. 201112
Product:	PV Hybrid inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	AF*-SL-1 (*= 1K, 1.5K, 2K, 2.5K, 3K, 3.6K); AF*-SL (*= 3K, 3.6K, 4K, 4.6K, 5K, 5.5K, 6K) AF*-SLP (*= 4K, 4.6K, 5K, 5.5K, 6K); AF*-ASL-1 (*= 1K, 1.5K, 2K, 2.5K, 3K, 3.6K) AF*-ASL (*= 3K, 3.6K, 4K, 4.6K, 5K, 5.5K, 6K)
Brand Name<s>:	
Product Complies with:	Commission Regulation (EU) 2016/631 of 14 April 2016 (NC RfG) establishing a network code on the requirements for connecting generating units to the network (Journal of Laws UE L 112/1 of 27 April 2016); PSE:18 December 2018: General Application Requirements resulting from the Regulation of the EU Commission 2016/631 of April 14, 2016 establishing the network code on the requirements for connecting generating units to the grid - approved by the Decision of the President of the Energy Regulatory Office DRE.WOSE.7128.550. 2. 2018. ZJ of January 2, 2019; PTPIREE, 2021-04: Conditions and procedures for the use of certificates in the process of connecting power generation modules to power grids. Type approval for Type A PPMs Type 1a product certification scheme according to ISO/IEC 17067:2013 Certification procedure SMS-PV-OP-19
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	2510B0541SHA-001

Additional information in Appendix.

Signature

Certification Manager: Grady Ye

Issue Date: 2025-10-14

Valid Until: 2028-10-13



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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250403

The following functionalities have been assessed based on the rules for the use of certificate for Power Park Modules (PPMs), as specified in chapter 7 and 9 of the PTPIREE 2021-04. The functions denoted "Not Applicable" in the table of chapter 7 has not been included.

Parameter	NC RfG	PSE 2018-12	Type A	Assessment result
Frequency range	13.1(a)	13.1(a)(i)	x	Compliant
Rate of Change of Frequency (ROCOF) Withstand capability, df/dt	13.1(b)	13.1(b)	x	Compliant
Remote cessation of active power	13.6	13.6	x	Compliant
Limited Frequency Sensitive Mode – Over frequency (LFSM-O)	13.2	13.2(a).(b).(f)	x	Compliant

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APPENDIX: Certificate of Conformity

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Ratings & Principle Characteristics:

Model	AF1K-SL-1	AF1.5K-SL-1	AF2K-SL-1	AF2.5K-SL-1
	AF1K-ASL-1	AF1.5K-ASL-1	AF2K-ASL-1	AF2.5K-ASL-1
Input (PV)				
Max. input voltage	600 VDC			
MPPT voltage range	80-500 VDC			
Max. input current per MPPT	18.5A			
Max. short-circuit current per MPPT	26A			
Number of MPP trackers	1			
Max. input number per MPP tracker	1			
Input (DC Battery)				
Operating voltage range	40~60 VDC			
Battery maximum continuous current	25A	40A	50A	63A
Output (On Grid)				
Rated output power	1000W	1500W	2000W	2500W
Max. apparent power	1000VA	1500VA	2000VA	2500VA
Max. output current	5A	7A	10A	12A
Rated output voltage	230V			
Rated AC grid frequency	50Hz			
Adjustable power factor	0.8 leading~ 0.8 lagging			
General Data				
Operating temperature range	-25 ~ + 60 °C			
Degree of protection	IP66			
FW Version	1.01			

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Ratings & Principle Characteristics:

Model	AF3K-SL-1	AF3.6K-SL-1	AF3K-SL	AF3.6K-SL
	AF3K-ASL-1	AF3.6K-ASL-1	AF3K-ASL	AF3.6K-ASL
Input (PV)				
Max. input voltage	600 VDC			
MPPT voltage range	80-500 VDC			
Max. input current per MPPT	18.5A			
Max. short-circuit current per MPPT	26A			
Number of MPP trackers	1		2	
Max. input number per MPP tracker	1			
Input (DC Battery)				
Operating voltage range	40~60 VDC			
Battery maximum continuous current	80A			
Output (On Grid)				
Rated output power	3000W	3600W	3000W	3600W
Max. apparent power	3000VA	3600VA	3000VA	3600VA
Max. output current	14A	17A	14A	17A
Rated output voltage	230V			
Rated AC grid frequency	50Hz			
Adjustable power factor	0.8 leading~ 0.8 lagging			
General Data				
Operating temperature range	-25 ~ + 60 °C			
Degree of protection	IP66			
FW Version	1.01			

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Ratings & Principle Characteristics:

Model	AF4K-SL	AF4.6K-SL	AF5K-SL	AF5.5K-SL	AF6K-SL
Input (PV)					
Max. input voltage	600 VDC				
MPPT voltage range	80-500 VDC				
Max. input current per MPPT	18.5A				
Max. short-circuit current per MPPT	26A				
Number of MPP trackers	2				
Max. input number per MPP tracker	1				
Input (DC Battery)					
Operating voltage range	40~60 VDC				
Battery maximum continuous current	80A				
Output (On Grid)					
Rated output power	4000W	4600W	5000W	5500W	6000W
Max. apparent power	4000VA	4600VA	5000VA	5500VA	6000VA
Max. output current	19A	22A	23A	26A	28A
Rated output voltage	230V				
Rated AC grid frequency	50Hz				
Adjustable power factor	0.8 leading~ 0.8 lagging				
General Data					
Operating temperature range	-25 ~ + 60 °C				
Degree of protection	IP66				
FW Version	1.01				

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Ratings & Principle Characteristics:

Model	AF4K-SLP	AF4.6K-SLP	AF5K-SLP	AF5.5K-SLP	AF6K-SLP
	AF4K-ASL	AF4.6K-ASL	AF5K-ASL	AF5.5K-ASL	AF6K-ASL
Input (PV)					
Max. input voltage	600 VDC				
MPPT voltage range	80-500 VDC				
Max. input current per MPPT	18.5A				
Max. short-circuit current per MPPT	26A				
Number of MPP trackers	2				
Max. input number per MPP tracker	1				
Input (DC Battery)					
Operating voltage range	40~60 VDC				
Battery maximum continuous current	120A				
Output (On Grid)					
Rated output power	4000W	4600W	5000W	5500W	6000W
Max. apparent power	4000VA	4600VA	5000VA	5500VA	6000VA
Max. output current	19A	22A	23A	26A	28A
Rated output voltage	230V				
Rated AC grid frequency	50Hz				
Adjustable power factor	0.8 leading~ 0.8 lagging				
General Data					
Operating temperature range	-25 ~ + 60 °C				
Degree of protection	IP66				
FW Version	1.01				

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