

# Attestation of Conformity

**Attestation No:** **SHA-AoC-230021**

**Applicant Name & Address:** Afore New Energy Technology (Shanghai) Co., Ltd.  
Building 7, No.333 Wanfang Rd, Minhang District, Shanghai. China.  
201112

**Factory Name & Address:** Afore New Energy Technology (Shanghai) Co., Ltd.  
Building 7, No.333 Wanfang Rd, Minhang District, Shanghai. China.  
201112

**Product Description:** AC coupled inverter

**Brand Name:** Afore

**Model:** AF\*-SL-0 (\*= 1K, 1.5K, 2K, 2.5K, 3K, 3.6K, 4K, 4.6K, 5K, 5.5K, 6K)

**Characteristics:** See appendix for details

**Standards:** EN 62109-1:2010; EN 62109-2:2011;  
**EU Directive:** the Low Voltage Directive (LVD) (2014/35/EU)

**Test Report No:** 230601216SHA-001, 230601216SHA-002

**Issued by:** Intertek Testing Services Ltd. Shanghai  
West Area, 2nd Floor, No. 707, Zhangyang Road, China (Shanghai)  
Pilot Free Trade Zone, Shanghai, P. R. China

**Issue date:** 2023-11-15

This is to attest that the Technical Construction File for the product listed above has been evaluated against the Essential Safety Requirements of Annex I of the Low Voltage Directive (2014/35/EU). This Attestation can be used in support of the Manufacturers Declaration of Conformity on affixing the CE mark. Product conformity to CE marking is not assured until all other applicable EU Regulations are met in full.

**Signature**



**Name: Qiao Qiao**



# APPENDIX: Attestation of Conformity

This is an Appendix to Attestation of Conformity Number: SHA-AoC-230021

## Ratings & Principle Characteristics:

Specifications table				
Model	AF1K-SL-0	AF1.5K-SL-0	AF2K-SL-0	AF2.5K-SL-0
<b>Battery (charge/discharge)</b>				
Battery type	Li-ion/Lead-acid			
Battery Normal Voltage (Range) (Vdc)	51.2V (40-60V)			
Max charge/discharge Current(A)	25	40	50	63
Max charge/discharge Power(W)	1000	1500	2000	2500
<b>AC Grid (input and output)</b>				
Normal AC Voltage (VAC)	L/N/PE, 230Vac			
Frequency (Hz)	50			
Normal AC Current (A)	4.4	6.6	8.7	10.9
Max. cont. input/output current (A)	5	7	10	12
Rated Power(W)	1000	1500	2000	2500
Rated Apparent Power (VA)	1000	1500	2000	2500
Max. cont. Power (W)	1000	1500	2000	2500
Max. cont. Apparent Power (VA)	1000	1500	2000	2500
Power factor (adjustable)	1.0(-0.8~ +0.8)			
<b>AC Load output (stand alone)</b>				
Normal Voltage (VAC)	L/N/PE, 230Vac			
Frequency (Hz)	50			
Nominal Current(A)	4.4	6.6	8.7	10.9
Max. cont. current (A)	5	7	10	12
Max. cont. Power (W)	1000	1500	2000	2500
Rated Apparent Power (VA)	1000	1500	2000	2500
Max. cont. Apparent Power (VA)	1000	1500	2000	2500
Power factor	1.0			
<b>Others</b>				
Ingress protection (IP)	IP65			
Protective class	Class I			
Temperature (°C)	-25°C to +60°C (Derating 45°C)			
Inverter Isolation	Non-isolated (AC-BAT)			
Overvoltage category	OVC III (AC Main)			
Firmware	1.01			

This Attestation is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Attestation. Only the Client is authorized to permit copying or distribution of this Attestation.. The observations and test/inspection results referenced in this Attestation are relevant only to the sample tested/inspected. This Attestation by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program. This Attestation is not accredited under a ISO IEC 17065 accreditation.

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This is an Appendix to Attestation of Conformity Number: SHA-AoC-230021

## Ratings & Principle Characteristics:

Specifications table				
Model	AF3K-SL-0	AF3.6K-SL-0	AF4K-SL-0	AF4.6K-SL-0
<b>Battery (charge/discharge)</b>				
Battery type	Li-ion/Lead-acid			
Battery Normal Voltage (Range) (Vdc)	51.2V (40-60V)			
Max charge/discharge Current(A)	80	80	120	120
Max charge/discharge Power(W)	3000	3600	4000	4600
<b>AC Grid (input and output)</b>				
Normal AC Voltage (VAC)	L/N/PE, 230Vac			
Frequency (Hz)	50			
Normal AC Current (A)	13.1	15.7	17.4	20
Max. cont. input/output current (A)	14	17	19	22
Normal Power (W)	3000	3600	4000	4600
Rated Apparent Power (VA)	3000	3600	4000	4600
Max. cont. input/output Power (W)	3000	3600	4000	4600
Max. cont. Apparent Power (VA)	3000	3600	4000	4600
Power factor(adjustable)	1.0(-0.8~ +0.8)			
<b>AC Load output (stand alone)</b>				
Normal Voltage (VAC)	L/N/PE, 230Vac			
Frequency (Hz)	50			
Nominal Current (A)	13.1	15.7	17.4	20
Max. cont. current (A)	14	17	19	22
Max. cont. Power (W)	3000	3600	4000	4600
Rated Apparent Power (VA)	3000	3600	4000	4600
Max. cont. Apparent Power (VA)	3000	3600	4000	4600
Power factor	1.0			
<b>Others</b>				
Ingress protection (IP)	IP65			
Protective class	Class I			
Temperature (°C)	-25°C to +60°C (Derating 45°C)			
Inverter Isolation	Non-isolated (AC-BAT)			
Overvoltage category	OVC III (AC Main)			
Firmware	1.01			

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This is an Appendix to Attestation of Conformity Number: SHA-AoC-230021

## Ratings & Principle Characteristics:

Specifications table				
Model	AF5K-SL-0	AF5.5K-SL-0	AF6K-SL-0	
<b>Battery (charge/discharge)</b>				
Battery type	Li-ion/Lead-acid			
Battery Normal Voltage (Range) (Vdc)	51.2V (40-60V)			
Max charge/discharge Current(A)	120	120	120	
Max charge/discharge Power(W)	5000	5500	6000	
<b>AC Grid (input and output)</b>				
Normal AC Voltage (VAC)	L/N/PE, 230Vac			
Frequency (Hz)	50			
Normal AC Current (A)	21.8	24	26.1	
Max. cont. input/output current (A)	23	26	28	
Normal Power (W)	5000	5500	6000	
Rated Apparent Power (VA)	5000	5500	6000	
Max. cont. input/output Power (W)	5000	5500	6000	
Max. cont. Apparent Power (VA)	5000	5500	6000	
Power factor(adjustable)	1.0( -0.8~ +0.8)			
<b>AC Load output (stand alone)</b>				
Normal Voltage (VAC)	L/N/PE, 230Vac			
Frequency (Hz)	50			
Nominal Current(A)	21.8	24	26.1	
Max. cont. current (A)	23	26	28	
Max. cont. Power (W)	5000	5500	6000	
Rated Apparent Power (VA)	5000	5500	6000	
Max. cont. Apparent Power (VA)	5000	5500	6000	
Power factor	1.0			
<b>Others</b>				
Ingress protection (IP)	IP65			
Protective class	Class I			
Temperature (°C)	-25°C to +60°C (Derating 45°C)			
Inverter Isolation	Non-isolated (AC-BAT)			
Oversvoltage category	OVC III (AC Main)			
Firmware	1.01			

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