

Test Verification of Conformity

Verification Number: 220700013SHA-V2

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant  mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Afore New Energy Technology (Shanghai) Co., Ltd. Build No.7, 333 Wanfang Road, Minhang District, Shanghai. China. 201112
Product Description: Ratings & Principle Characteristics:	Hybrid Inverter See Appendix
Models/Type References:	AF*-SL-0 (*= 1K, 1.5K, 2K, 2.5K, 3K, 3.6K, 4K, 4.6K, 5K, 5.5K, 6K)
Brand Name:	Afore
Relevant Standards/Directives:	IEC/EN 62109-1:2010 IEC/EN 62109-2:2011 the Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests:	2022-07-15 to 2022-09-27
Test Report Number(s):	220700013SHA-003/004


Signature

Name: Max Jin

Position: Manager

Date: 2022-11-08

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220700013SHA -V2

Ratings:

Specifications table				
Model	AF1K-SL-0	AF1.5K-SL-0	AF2K-SL-0	AF2.5K-SL-0
Battery (charge/discharge)				
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
AC Grid (input and output)				
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)			
AC Load output (stand alone)				
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			
Others				
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	V06			

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Specifications table				
Model	AF3K-SL-0	AF3.6K-SL-0	AF4K-SL-0	AF4.6K-SL-0
Battery (charge/discharge)				
Battery type	Li-ion/Lead-acid			
Battery Normal Voltage (Range) (Vdc)	51.2V (40-60V)			
Max charge/discharge Current(A)	80	80	80	80
Max charge/discharge Power(W)	3000	3600	4000	4600
AC Grid (input and output)				
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)			
AC Load output (stand alone)				
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			
Others				
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	V06			

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Specifications table				
Model	AF5K-SL-0	AF5.5K-SL-0	AF6K-SL-0	
Battery (charge/discharge)				
Battery type	Li-ion/Lead-acid			
Battery Normal Voltage (Range) (Vdc)	51.2V (40-60V)			
Max charge/discharge Current(A)	100	120	120	
Max charge/discharge Power(W)	5000	5500	6000	
AC Grid (input and output)				
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)			
AC Load output (stand alone)				
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			
Others				
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	V06			



Signature

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