

## **Test Verification of Conformity**

## Verification Number: 201201982SHA-V1

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. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

Applicant Name & Address: Afore New Energy Technology (Shanghai)Co., Ltd.

Build No.7, 333 Wanfang Road, Minhang District, Shanghai, 201112, China

Product Description: Hybrid Inverter

Ratings & Principle See Appendix(Specifications table)

Characteristics:

Models/Type References: See Appendix(Specifications table)

Brand Name: Afore

Relevant Standards: EN 50549-1:2019 Requirements for the connection of generation equipment in

parallel with public distribution networks

Compliant with COMMISSION REGULATION (EU) 2016/631 (NC RfG)

Verification Issuing Office Name

9 Address.

& Address:

Intertek Testing Services Shanghai

Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China

Date of Tests: 2021-01-06 to 2021-02-05

Test Report Number(s): 201201982SHA-001

Additional information in Appendix.

Signature

Name: Jonny Jing Position: Manager Date: 2021-02-20

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## **APPENDIX: Test Verification of Conformity**

This is an Appendix to Test Verification of Conformity Number: 201201982SHA-V1

Manufacturer: Same as applicant

Specifications table						
Model	AF3k-SL	AF3.6k-SL	AF4k-SL	AF4.6k-SL		
PV Input						
Max. DC Input Power (W)	6600	7600	8000	8600		
Rated DC Input Voltage (V)	360	360	360	360		
DC Input Voltage Range (V)	60-580	60-580	60-580	60-580		
MPPT Voltage Range (V)	50-550	50-550	50-550	50-550		
Start-up Voltage (V)	60	60	60	60		
Max. DC Input Current (A)	20*2	20*2	20*2	20*2		
Nr. of MPPT Tracker	2	2	2	2		
Battery						
Battery Nominal Voltage (V)	48	48	48	48		
Battery Voltage Range (V)	40-60	40-60	40-60	40-60		
Max. Charge/Discharge Current (A)	66	66	66	66		
Max. Charge/Discharge Power (W)	3600	3600	3600	3600		
EPS						
EPS Nominal Output Power (W)	3000	3600	4000	4600		
EPS Nominal Output Voltage (V)	230	230	230	230		
EPS Nominal Output Frequency (Hz)	50	50	50	50		
EPS Nominal Output Current (A)	13	16	17.5	20		
Peak Output Power	3600W,30s	4000W,30s	4600W,30s	5000W,30s		
AC main Output						
Nominal AC Output Power (VA)	3000	3600	4000	4600		
Nominal AC Output Current (A)	13	16	17.5	20		
Max. AC Output Current (A)	15	18.5	20	23		
Nominal AC Voltage (V)	230	230	230	230		
Nominal AC Frenquency (Hz)	50	50	50	50		
Power Factor	-0.9~+0.9	-0.9~+0.9	-0.9~+0.9	-0.9~+0.9		
Others						
Dimensions (WxHxD) (mm)	572.5*450 *176					
Ingress protection (IP)	IP 65					
Temperature (°C)	-25°C to +60°C					
Relatively Humidity	0-100%					
Operating Altitude (m)	< 2000					

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Specifications table						
Model	AF5k-SL	AF5.5k-SL	AF6k-SL			
PV Input						
Max. DC Input Power (W)	9000	9600	10000			
Rated DC Input Voltage (V)	360	360	360			
DC Input Voltage Range (V)	60-580	60-580	60-580			
MPPT Voltage Range (V)	50-550	50-550	50-550			
Start-up Voltage (V)	60	60	60			
Max. DC Input Current (A)	20*2	20*2	20*2			
Nr. of MPPT Tracker	2	2	2			
Battery			<u> </u>			
Battery Nominal Voltage (V)	48	48	48			
Battery Voltage Range (V)	40-60	40-60	40-60			
Max. Charge/Discharge Current (A)	66	66	66			
Max. Charge/Discharge Power (W)	3600	3600	3600			
EPS						
EPS Nominal Output Power (W)	5000	5500	6000			
EPS Nominal Output Voltage (V)	230	230	230			
EPS Nominal Output Frequency (Hz)	50/60	50/60	50/60			
EPS Nominal Output Current (A)	22	24	26			
Peak Output Power	5500W,30s	6000W,30s	6500W,30s			
AC main Output						
Nominal AC Output Power (VA)	5000	5500	6000			
Nominal AC Output Current (A)	22	24	26			
Max. AC Output Current (A)	25.5	27.5	30			
Nominal AC Voltage (V)	230	230	230			
Nominal AC Frenquency (Hz)	50	50	50			
Power Factor	-0.9~+0.9	-0.9~+0.9	-0.9~+0.9			
Others						
Dimensions (WxHxD) (mm)	572.5*450 *176					
Ingress protection (IP)	IP 65					
Temperature (°C)	-25°C to +60°C					
Relatively Humidity	0-100%					
Operating Altitude (m)	< 2000					

Signature

Name: Jonny Jing Position: Manager Date: 2021-02-20

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