

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 Characteristics:	See Appendix(Specifications table)
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 & 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 Frequency (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				
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 Frequency (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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