

Certificate of Conformity

Certificate Number: CN-PV-230619

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

Product: Hybrid Inverter

Ratings & Principle See appendix of Certificate of Conformity Characteristics:

Model: AF1K-SL-1, AF1.5K-SL-1, AF2K-SL-1, AF2.5K-SL-1, AF3K-SL-1, AF3.6K-SL-1,

AF3K-SL, AF3.6K-SL, AF4K-SL, AF4.6K-SL, AF5K-SL, AF5.5K-SL, AF6K-SL, AF4K-

SLP, AF4.6K-SLP, AF5K-SLP, AF5.5K-SLP, AF6K-SLP

Brand Name<s>: Afore

Product Complies with: C10/11: ed.2.2, 15 Mar 2021

Certificate Issuing Office Inter

Name & Address:

Intertek Testing Services Ltd. Shanghai

West Area, 2nd 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>: 2308A0580SHA-001

Additional information in Appendix.

Signature

Certification Manager: Qiao Qiao

Date: 15 November 2023

ACCREDIA 5

PRD Nº 306B



This is an Appendix to Certificate of Conformity Number: CN-PV-230619

Ratings & Principle Characteristics:

Input	Specifications table						
Ppv Max (W)	Model	AF1K-SL-1		AF2K-SL-1	_	AF3K-SL-1	
Vmax PV (V) 550 550 550 550 550 lsc PV (absolute Max.) (A) 26 <td>Input</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Input						
Sc PV (absolute Max.) (A)	Ppv Max (W)	1500	2300	3000	3800	4500	
Number of MPP trackers	Vmax PV (V)	550	550	550	550	550	
Number of input strings	Isc PV (absolute Max.) (A)	26	26	26	26	26	
Max. PV input range (A) 18.5 MPP Voltage Range (V) 80-500 150-500 150-500 170-500 70-500 120-500 150-500 170-500 180-60	Number of MPP trackers	1	1	1	1	1	
MPPT Voltage Range (V) 80-500 100-500 120-500 150-500 170-500 170-500 170-500 170-500 170-500 170-500 170-500 170-500 180-500 170-500 170-500 180-500 170-500 180-500 170-500 180-500 <td>Number of input strings</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td>	Number of input strings	1	1	1	1	1	
Vote range @ full power (V) 80-500 90-500 120-500 150-500 170-500 Battery (input and output) Battery type Li-ion / lead acid etc. Battery Nominal Voltage (V) 51.2 Battery Voltage Range (V) 40-60 40-60 40-60 380 Max. Charge/Discharge Current (A) 25 40 50 63 80 Max. Charge/Discharge Power (W) 1000 1500 2000 2500 3000 AC Grid (input and output) L/N/PE. 230Vac Nominal Voltage (V) L/N/PE. 230Vac Nominal Frequency (Hz) 5 7 10 12 14 Current (A) 5 7 10 12 14 Nominal Power (W) 1000 1500 2000 2500 3000 Max. apparent Power (VA) 1000 1500 2000 2500 3000 Max. apparent Power (VA) 1000 1500 2000 2500 3000 Max. continuous Input/output Current (A) 5 7 10 12<	Max. PV input range (A)	18.5	18.5	18.5	18.5	18.5	
Battery (input and output)	MPPT Voltage Range (V)	80-500	80-500	80-500	80-500	80-500	
Battery type	Vdc range @ full power (V)	80-500	90-500	120-500	150-500	170-500	
Battery Nominal Voltage (V) Battery Voltage Range (V) Max. Charge/Discharge Current (A) Max. Charge/Discharge Power (W) Nominal Voltage (V) Max. Charge/Discharge Power (W) Nominal Voltage (V) Nominal Frequency (Hz) Max. continuous Input/output Current (A) Nominal Power (W) Max. Power (W) Max. Power (W) Max. apparent Power (VA) Nominal Output Voltage (V) L/N/PE. 230Vac 100 1500 2000 2500 3000 14 14 14 14 15 7 10 12 14 14 14 1500 1500 2000 2500 3000 1500 2000 2500 3000 Max. apparent Power (VA) 1000 1500 2000 2500 3000 1(-0.8~+0.8 adjustable) AC Load output Nominal Output Voltage (V) L/N/PE. 230Vac Nominal Frequency (Hz) 50 Max. continuous Input/output 5 7 10 12 14 Current (A) Nominal Output Power(W) 1000 1500 2000 2500 3000 Max. Output Power (W) 1000 1500 2000 2500 3000 Max. Output Power (W) 1000 1500 2000 2500 3000 Max. Output Power (W) 1000 1500 2000 2500 3000 Max. apparent Power (VA) 1000 1500 2000 2500 3000 Max. Output Power (W) 1000 1500 2000 2500 3000 Max. apparent Power (VA) 1000 1500 2000 2500 3000 Max. Output Power (W) 1000 1500 2000 2500 3000 Max. Output Power (VA) 1000 1500 2000 2500 3000 Max. apparent Power (VA) 1000 1500 2000 2500 3000 Max. apparent Power (VA) 1000 1500 2000 2500 3000 Max. apparent Power (VA) 1000 1500 2000 2500 3000 Max. Output Power (VA) 1000 1500 2000 2500 3000 Max. Output Power (VA) 1000 1500 2000 2500 3000 Max. Output Power (VA) 1000 1500 2000 2500 3000 Max. Output Power (VA) 1000 1500 2000 2500 3000 Max. Output Power (VA) 1000 1500 2000 2500 3000 Max. Output Power (VA) 1000 1500 2000 2500 3000 Max. Output Power (VA) 1000 1500 2000 2500 3000 Max. Output Power (VA) 1000 1500 2000 2500 3000 Max. Output Power (VA) 1000 1500 2000 2500 3000 Max. Output Power (VA) 1000 1500 2000 2500 3000 Max. Output Power (VA) 1000 1500 2000 2500 3000 Max. Output Power (VA) 1000 1500 2000 2500 3000 Ma	Battery (input and output)						
Battery Voltage Range (V) Max. Charge/Discharge Current (A) Max. Charge/Discharge Power (W) Nominal Voltage (V) Nominal Frequency (Hz) Max. continuous Input/output Current (A) Nominal Power (W) Max. Power (W) Max. Power (W) Max. apparent Power (VA) Nominal Output Voltage (V) Nominal Output Voltage (V) Max. continuous Input/output Current (A) Nominal Output Voltage (V) Max. continuous Input/output Current (A) Nominal Output Voltage (V) Max. continuous Input/output Current (A) Nominal Output Power(W) Max. continuous Input/output Current (A) Nominal Output Power (W) Max. continuous Input/output Current (A) Nominal Output Power (W) Max. Output Power (W) Max. Output Power (W) Max. Output Power (W) Max. apparent Power (VA) 1000 1500 2000 2500 3000 Max. Output Power (W) 1000 1500 2000 2500 3000 Max. Output Power (W) 1000 1500 2000 2500 3000 Max. apparent Power (VA) 1000 1500 2000 2500 3000 Max. apparent Power (VA) 1000 1500 1000 1500 1000 1	Battery type		Li-i	on / lead acid	etc.		
Max. Charge/Discharge Current (A) 25 40 50 63 80 Max. Charge/Discharge Power (W) 1000 1500 2000 2500 3000 AC Grid (input and output) L/N/PE. 230Vac Nominal Voltage (V) L/N/PE. 230Vac Max. continuous Input/output 5 7 10 12 14 Current (A) 1000 1500 2000 2500 3000 Max. continuous Input/output (W) 1000 1500 2000 2500 3000 Max. apparent Power (VA) 1000 1500 2000 2500 3000 Power Factor 1 (-0.8~+0.8 adjustable) AC Load output Nominal Output Voltage (V) Max. continuous Input/output 5 7 10 12 14 Current (A) 5 7 10 12 14 Nominal Output Voltage (V) L/N/PE. 230Vac 14 14 Current (A) 5 7 10 12 14 <	Battery Nominal Voltage (V)			51.2			
Max. Charge/Discharge Power (W) 1000 1500 2000 2500 3000 AC Grid (input and output) L/N/PE. 230Vac Nominal Voltage (V) L/N/PE. 230Vac Nominal Frequency (Hz) 50 Max. continuous Input/output 5 7 10 12 14 Current (A) 1000 1500 2000 2500 3000 Max. Power (W) 1000 1500 2000 2500 3000 Max. apparent Power (VA) 1000 1500 2000 2500 3000 Power Factor 1(-0.8~+0.8 adjustable) AC Load output 1000 1500 2000 2500 3000 AC Load output 5 7 10 12 14 Nominal Output Voltage (V) L/N/PE. 230Vac 10 12 14 Current (A) 5 7 10 12 14 Nominal Output Power (W) 1000 1500 2000 2500 3000 Max. output Power (W)	Battery Voltage Range (V)			40-60	-		
Nominal Voltage (V) L/N/PE. 230Vac	Max. Charge/Discharge Current (A)	25	40	50	63	80	
Nominal Voltage (V)	Max. Charge/Discharge Power (W)	1000	1500	2000	2500	3000	
Nominal Voltage (V)	AC Grid (input and output)						
Max. continuous Input/output Current (A) 5 7 10 12 14 Nominal Power (W) 1000 1500 2000 2500 3000 Max. Power (W) 1000 1500 2000 2500 3000 Max. apparent Power (VA) 1000 1500 2000 2500 3000 Power Factor 1(-0.8~+0.8 adjustable) AC Load output Nominal Output Voltage (V) L/N/PE. 230Vac Nominal Frequency (Hz) 50 Max. continuous Input/output 50 Max. continuous Input/output 5 7 10 12 14 Current (A) 10 12 14 Nominal Output Power(W) 1000 1500 2000 2500 3000 Max. Output Power (W) 1000 1500 2000 2500 3000 Max. apparent Power (VA) 1000 1500 2000 2500 3000 Power Factor							



This is an Appendix to Certificate of Conformity Number: CN-PV-230619

Ratings & Principle Characteristics:

Specifications table							
Model	AF3.6K-SL- 1	AF3K-SL	AF3.6K-SL	AF4K-SL	AF4.6K-SL		
Input							
Ppv Max (W)	5400	4500	5400	6000	6900		
Vmax PV (V)	550	550	550	550	550		
Isc PV (absolute Max.) (A)	26	26 x 2	26 x 2	26 x 2	26 x 2		
Number of MPP trackers	1	2	2	2	2		
Number of input strings	1	1/1	1/1	1/1	1/1		
Max. PV input range (A)	18.5	18.5 x 2	18.5 x 2	18.5 x 2	18.5 x 2		
MPPT Voltage Range (V)	80-500	80-500	80-500	80-500	80-500		
Vdc range @ full power (V)	210-500	90-500	110-500	120-500	130-500		
Battery (input and output)					1		
Battery type		Li-	ion / lead acid e	etc.			
Battery Nominal Voltage (V)			51.2	70.			
Battery Voltage Range (V)		-	40-60	-			
Max. Charge/Discharge Current (A)	80	80	80	80	80		
Max. Charge/Discharge Power (W)	3600	3000	3600	4000	4600		
AC Grid (input and output)					1		
Nominal Voltage (V)			L/N/PE. 230Vac	;			
Nominal Frequency (Hz)			50				
Max. continuous Input/output	47	4.4	47	10	20		
Current (A)	17	14	17	19	22		
Nominal Power (W)	3600	3000	3600	4000	4600		
Max. Power (W)	3600	3000	3600	4000	4600		
Max. apparent Power (VA)	3600	3000	3600	4000	4600		
Power Factor	1(-0.8~+0.8 adjustable)						
AC Load output							
Nominal Output Voltage (V)	L/N/PE. 230Vac						
Nominal Frequency (Hz)	50						
Max. continuous Input/output	17	14	17	19	22		
Current (A)	17	14	17	19	22		
Nominal Output Power(W)	3600	3000	3600	4000	4600		
Max. Output Power (W)	3600	3000	3600	4000	4600		
Max. apparent Power (VA)	3600	3000	3600	4000	4600		
Power Factor	1						
others							
Ingress protection (IP)	IP65						
Temperature (°C)	-25°C to +60°C (Derating45°C)						
Inverter Isolation	Non-isolated						
Firmware Version	1.01						



This is an Appendix to Certificate of Conformity Number: CN-PV-230619

Ratings & Principle Characteristics:

	Specif	ications table		
Model	AF5K-SL	AF5.5K-SL	AF6K-SL	
Input				
Ppv Max (W)	7500	8300	9000	
Vmax PV (V)	550	550	550	
Isc PV (absolute Max.) (A)	26 x 2	26 x 2	26 x 2	
Number of MPP trackers	2	2	2	
Number of input strings	1/1	1/1	1/1	
Max. PV input range (A)	18.5 x 2	18.5 x 2	18.5 x 2	
MPPT Voltage Range (V)	80-500	80-500	80-500	
Vdc range @ full power (V)	150-500	160-500	170-500	
Battery (input and output)				
Battery type	7	Li-i	on / lead acid e	tc.
Battery Nominal Voltage (V)	51.2			
Battery Voltage Range (V)	40-60			
Max. Charge/Discharge Current (A)	80	80	80	-
Max. Charge/Discharge Power (W)	4800	4800	4800	
AC Grid (input and output)			I	
Nominal Voltage (V)		I.	_/N/PE. 230Vac	2
Nominal Frequency (Hz)			50	
Max. continuous Input/output	22	200	20	
Current (A)	23	26	28	//
Nominal Power (W)	5000	5500	6000	///
Max. Power (W)	5000	5500	6000	///
Max. apparent Power (VA)	5000	5500	6000	7
Power Factor	1(-0.8~+0.8 adjustable)			
AC Load output				
Nominal Output Voltage (V)	_ \	0 ///	/N/PE. 230Vac	
Nominal Frequency (Hz)		All Land	50	
Max. continuous Input/output	00	00	00	
Current (A)	23	26	28	
Nominal Output Power(W)	5000	5500	6000	
Max. Output Power (W)	5000	5500	6000	
Max. apparent Power (VA)	5000	5500	6000	
Power Factor			1	1
others				
Ingress protection (IP)	IP65			
Temperature (°C)	-25°C to +60°C (Derating45°C)			
Inverter Isolation	Non-isolated			
Firmware Version	1.01			



This is an Appendix to Certificate of Conformity Number: CN-PV-230619

Ratings & Principle Characteristics:

Ratings & Principle Characteristics:	Specificat	ions table			
Model	AF4K-SLP	AF4.6K- SLP	AF5K-SLP	AF5.5K- SLP	AF6K-SLP
PV input					
P pv Max(W)	6000	6900	7500	8300	9000
Vmax PV (Vdc) (absolute Max.)	550	550	550	550	550
Isc PV (absolute Max.) (A)	26 x 2	26 x 2	26 x 2	26 x 2	26 x 2
Number MPP trackers	2	2	2	2	2
Number input strings	1/1	1/1	1/1	1/1	1/1
Max. PV input current / strings (A)	18.5 x 2	18.5 x 2	18.5 x 2	18.5 x 2	18.5 x 2
MPPT voltage range (Vdc)	80-500	80-500	80-500	80-500	80-500
Vdc range @ full power (Vdc)	120-500	130-500	150-500	160-500	170-500
Battery (charge/discharge)					
Battery type	101		Li-ion/Lead-acid		
Battery Normal Voltage (Range) (Vdc)			51.2V (40-60V)		
Max charge/discharge Current(A)	120	120	120	120	120
Max charge/discharge Power(W)	4000	4600	5000	5500	6000
AC Grid (input and output)					
Normal AC Voltage (VAC)		è	L/N/PE, 230Va	С	
Frequency (Hz)			50		
Normal AC Current (A)	17.4	20	21.8	24	26.1
Max. cont. input/output current (A)	19	22	23	26	28
Rated Power(W)	4000	4600	5000	5500	6000
Rated Apparent Power (VA)	4000	4600	5000	5500	6000
Max. cont. Power (W)	4000	4600	5000	5500	6000
Max. cont. Apparent Power (VA)	4000	4600	5000	5500	6000
Power factor (adjustable)			1.0(-0.8~ +0.8))	
AC Load output					
Normal Voltage (VAC)	L/N/PE, 230Vac				
Frequency (Hz)		407	50		
Nominal Current(A)	17.4	20	21.8	24	26.1
Max. cont. current (A)	19	22	23	26	28
Max. cont. Power (W)	4000	4600	5000	5500	6000
Max. cont. Apparent Power (VA)	4000	4600	5000	5500	6000
Power factor			1.0		
Others					
Ingress protection (IP)	IP65				
Protective class	Class I				
Temperature (℃)	-25°C to +60°C (Derating 45°C)				
Inverter Isolation	Non-isolated (PV - AC - BAT)				
Overvoltage category	OVC III (AC Main), OVC II (PV)				
Firmware	1.01				

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