

Test Verification of Conformity

Verification Number: 2412B0917SHA-V1

On the basis of the tests undertaken, the sample<s> of the below product has been tested by an accredited 3rd party laboratory in accordance to 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>.

This document can be used in support of a claim in meeting relevant < EU Low Voltage Directive (LVD) (2014/35/EU)>legislation and mandatory Conformity Marking. And in accordance with EU / UK law, the claim is the sole obligation of the Manufacturer/ Importer.

Applicant Name & Address:	Afore New Energy Technology (Shanghai) Co., Ltd. Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China. 201112
Product Description:	Hybrid Inverter
Ratings & Principle Characteristics:	See Appendix(Specifications table)
Models/Type References:	AF*-SLP-0 (*=7K, 8K, 9K, 10K, 11K, 12K) AF*-SLP (*=7K, 8K, 9K, 10K, 11K, 12K)
Brand Names:	Afore
Specification<s>/Standards:	IEC 60068-2-1: 2007 IEC 60068-2-2: 2007 IEC 60068-2-14:2009 IEC 60068-2-30: 2005
Verification Issuing Office Name & Address:	Intertek Testing Services (Shanghai FTZ) Co., Ltd. Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests:	2024-12-11 to 2024-12-30
Test Report Number(s):	2412B0917SHA-001
Additional information in Appendix.	

Signature



Name: Max Jin

Position: General Manager

Date: 2024-12-31

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 2412B0917SHA-V1

Manufacture Name & Address: Same as applicant

Specifications table						
Model	AF7K-SLP	AF8K-SLP	AF9K-SLP	AF10K-SLP	AF11K-SLP	AF12K-SLP
PV input						
P _{pv} Max(kW)	10.5	12	13.5	15	16.5	18
V _{max} PV (Vdc) (absolute Max.)	550	550	550	550	550	550
I _{sc} PV (absolute Max.) (A)	26 x 3	26 x 3	26 x 3	26 x 3	26 x 3	26 x 3
Number MPP trackers	3	3	3	3	3	3
Number input strings	1/1/2	1/1/2	1/1/2	1/1/2	1/1/2	1/1/2
Max. PV input current / strings (A)	18.5 x 3	18.5 x 3	18.5 x 3	18.5 x 3	18.5 x 3	18.5 x 3
MPPT voltage range (Vdc)	80-500	80-500	80-500	80-500	80-500	80-500
Vdc range @ full power (Vdc)	140-500	150-500	170-500	190-500	210-500	230-500
Battery (charge/discharge)						
Battery type	Li-ion/Lead-acid etc.					
Battery Normal Voltage (Range) (Vdc)	51.2V (40-60V)					
Max charge/discharge Current(A)	200	200	240	240	240	240
Max charge/discharge Power(kW)	7	8	9	10	11	12
AC Grid (input and output)						
Normal AC Voltage (VAC)	L/N/PE, 230Vac					
Frequency (Hz)	50					
Normal AC Current (A)	30.5	34.8	39.2	43.5	47.9	52.2
Max. cont. input/output current (A)	32	37	41	46	50	55
Rated Power(kW)	7	8	9	10	11	12
Rated Apparent Power (kVA)	7	8	9	10	11	12
Max. cont. Power (kW)	7	8	9	10	11	12
Max. cont. Apparent Power (kVA)	7	8	9	10	11	12
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)	30.5	34.8	39.2	43.5	47.9	52.2
Max. cont. current (A)	32	37	41	46	50	55
Max. cont. Power (kW)	7	8	9	10	11	12
Max. cont. Apparent Power (kVA)	7	8	9	10	11	12
Power factor	1.0					
Others						
Ingress protection (IP)	IP66					
Protective class	Class I					
Temperature (°C)	-25°C to +60°C (Derating 45°C)					
Inverter Isolation	Non-isolated (PV - AC - BAT)					
Overvoltage category	OVC III (AC Main), OVC II (DC)					
Firmware	1.02					

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APPENDIX: Test Verification of Conformity

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Specifications table						
Model	AF7K-SLP-0	AF8K-SLP-0	AF9K-SLP-0	AF10K-SLP-0	AF11K-SLP-0	AF12K-SLP-0
Battery (charge/discharge)						
Battery type	Li-ion/Lead-acid etc.					
Battery Normal Voltage (Range) (Vdc)	51.2V (40-60V)					
Max charge/discharge Current(A)	200	200	240	240	240	240
Max charge/discharge Power(kW)	7 / 7.7	8 / 8.8	9 / 9.9	10 / 11	11 / 12.1	12 / 13.2
AC Grid (input and output)						
Normal AC Voltage (VAC)	L/N/PE, 230Vac					
Frequency (Hz)	50					
Normal AC Current (A)	30.5	34.8	39.2	43.5	47.9	52.2
Max. cont. input/output current (A)	32	37	41	46	50	55
Rated Power(kW)	7	8	9	10	11	12
Rated Apparent Power (kVA)	7	8	9	10	11	12
Max. cont. Power (kW)	7	8	9	10	11	12
Max. cont. Apparent Power (kVA)	7	8	9	10	11	12
Power factor (adjustable)	1.0(-0.8~ +0.8)					
AC Load output (stand alone)						
Normal Voltage (VAC)	L/N/PE, 230Vac					
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Max. cont. Apparent Power (kVA)	7	8	9	10	11	12
Power factor	1.0					
Others						
Ingress protection (IP)	IP66					
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), OVC II (DC)					
Firmware	1.02					

Signature



Name: Max Jin

Position: General Manager

Date: 2024-12-31

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