

# Certificate of Conformity

Certificate Number: CN-PVES-250007

On the basis of the tests undertaken, the samples of the below product have been found to comply with the requirements of the referenced standards at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture. The manufacturer shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

<b>Applicant:</b>	Afore New Energy Technology (Shanghai) Co., Ltd. Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China. 201112
<b>Product:</b>	Hybrid Inverter
<b>Ratings &amp; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	AF*-SLP (*=7K, 8K, 9K, 10K, 11K, 12K)
<b>Brand Name&lt;s&gt;:</b>	Afore
<b>Product Complies with:</b>	IEC 61727:2004 IEC 62116:2014
<b>Certificate Issuing Office Name &amp; Address:</b>	Intertek Testing Services Ltd. Shanghai West Area, 2 <sup>nd</sup> 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
<b>Test Report No.&lt;s&gt;:</b>	2412B0915SHA-001

Additional information in Appendix.



Signature

Certification Manager: Qiao Qiao  
Date: 09 January 2025



PRD N° 306B

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250007

### Ratings & Principal Characteristics:

Specifications table						
Model	AF7K-SLP	AF8K-SLP	AF9K-SLP	AF10K-SLP	AF11K-SLP	AF12K-SLP
<b>PV input</b>						
P <sub>pv</sub> Max(kW)	10.5	12	13.5	15	16.5	18
V <sub>max</sub> PV (Vdc) (absolute Max.)	550	550	550	550	550	550
I <sub>sc</sub> 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
V <sub>dc</sub> range @ full power (Vdc)	140-500	150-500	170-500	190-500	210-500	230-500
<b>Battery (charge/discharge)</b>						
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
<b>AC Grid (input and output)</b>						
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)					
<b>AC Load output (stand-alone)</b>						
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					
<b>Others</b>						
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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