

# Certificate of Conformity

Certificate Number: CN-PV-210025

On the basis of the tests undertaken, the samples of the below product have been found to comply with the requirements of the referenced specifications /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. Build No.7, 333 Wanfang Road, Minhang District, Shanghai. China. 201112
<b>Product:</b>	Hybrid Inverter
<b>Ratings &amp; Principle Characteristics:</b>	See Appendix to Certificate of Conformity
<b>Models:</b>	AF3k-SL, AF3.6k-SL, AF4k-SL, AF4.6k-SL, AF5k-SL, AF5.5k-SL, AF6k-SL
<b>Brand Name:</b>	Afore
<b>Tested according to:</b>	C10/11: ed.2.1, 01 Sep 2019 SPECIFIC TECHNICAL PRESCRIPTIONS REGARDING POWER-GENERATING PLANTS OPERATING IN PARALLEL TO THE DISTRIBUTION NETWORK Type approved for type A
<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
<b>Test Reports No:</b>	201228090GZU-001

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 08 February 2021

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210025

### Ratings & Principle Characteristics:

Maximum d.c. input voltage: 580 Vdc  
Input voltage range: 60-580 Vdc  
MPPT voltage range (full Load): 85-550V (for AF3k-SL); 100-550V (for AF3.6k-SL); 110-550V (for AF4k-SL); 130-550V (for AF4.6k-SL); 140-550V (for AF5k-SL); 155-550V (for AF5.5k-SL); 170-550V (for AF6k-SL);  
Max. input current: 2×20A

Nominal output voltage: 230Vac  
Max. output current: 15A (for AF3k-SL); 18.5A (for AF3.6k-SL); 20A (for AF4k-SL); 23A (for AF4.6k-SL); 25.5A (for AF5k-SL); 27.5A (for AF5.5k-SL); 30A (for AF6k-SL);  
Nominal frequency: 50/60 Hz  
Max. output power: 3000W (for AF3k-SL); 3600W (for AF3.6k-SL); 4000W (for AF4k-SL); 4600W (for AF4.6k-SL); 5000W (for AF5k-SL); 5500W (for AF5.5k-SL); 6000W (for AF6k-SL);

Battery: Battery Nominal Voltage (V) :48V,  
Max. Charge/Discharge Current (A): 66A  
Max. Charge/Discharge Power (W): 3000W (for AF3k-SL); 3600W (for AF3.6k-SL, AF4k-SL, AF4.6k-SL, AF5k-SL, AF5.5k-SL, AF6k-SL)

Power factor range: 0.9leading ~ 0.9lagging  
Safety level: Class I  
Ingress protection: IP65  
Operating temperature range: -25 ~ +60°C  
Software Version: 1.00