

## 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.

**Applicant:** Afore New Energy Technology (Shanghai) Co., Ltd.

Build No.7, 333 Wanfang Road, Minhang District, Shanghai. China. 201112

Product: Hybrid Inverter

Ratings & Principle Characteristics: Models:

See Appendix to Certificate of Conformity

AF3k-SL, AF3.6k-SL, AF4k-SL, AF4.6k-SL,

AF5k-SL, AF5.5k-SL, AF6k-SL

Brand Name: Afore

**Tested according to:** 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

Certificate Issuing

Intertek Testing Services Ltd. Shanghai

Office Name & Address:

West Area, 2<sup>nd</sup> Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free

Trade Zone, Shanghai, P. R. China

**Test Reports No:** 

201228090GZU-001

Additional information in Appendix.

Signature

**Certification Manager: Grady Ye** 

Countre

Date: 08 February 2021

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.



## **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 (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