

DEKRA



DEKRA

ATTESTATION OF CONFORMITY

Issued to: Afore New Energy Technology (Shanghai) Co., Ltd.
Build No.7, 333 Wanfang Road, Minhang District, Shanghai, China

For the product: Hybrid inverter

Trade name: 

Type/Model: AF3K-SH, AF3.6K-SH, AF4K-SH, AF4.6K-SH, AF5K-SH, AF5.5K-SH, AF6K-SH

Ratings: See Annex

Manufactured by: Afore New Energy Technology (Shanghai) Co., Ltd.
Build No.7, 333 Wanfang Road, Minhang District, Shanghai, China

Requirements: EN 61000-6-1:2007
EN 61000-6-2:2005
EN 61000-6-3:2007+A1:2011+AC:2012
EN 61000-6-4:2007+A1:2011
EN 61000-3-2:2014
EN 61000-3-3:2013
EN 61000-3-11:2000
EN 61000-3-12:2011

This Attestation is granted on account of an examination by DEKRA; the results of which are laid down in a confidential file no. 2070284R-PV-CE-P01V04.

This Attestation implies that the examined types are in accordance with the standards designated under the Electromagnetic compatibility directive 2014/30/EU.

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

The CE marking may be affixed on the product if all relevant and effective EC directives are complied with.

Arnhem, 12 March 2021

Number: 3181243.116AOC

DEKRA Testing and Certification (Shanghai) Ltd.

Kreny Lin
Certification Manager

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Annex to 3181243.116AOC

Ratings of the test product:

Operating temperature range: - 25°C to + 60°C

Protective class: I

Ingress protection rating: IP65

Power factor range (adjustable): 0.9 leading...0.9 lagging

AF3K-SH:

PV input: Max. 580 Vdc, MPPT voltage range: 50-550 Vdc, max 20 / 20 A, Isc PV: 26 A / 26 A

Battery: Type: Lithium / Lead-acid, nominal 288Vdc, voltage range: 85-360 Vdc, max charge current: 30 A, max charge power: 6000 W

Output: 230 Vac, 50 Hz, rated 13 A, max 15 A, rated 3000 W, max 3000 VA

AF3.6K-SH:

PV input: Max. 580 Vdc, MPPT voltage range: 50-550 Vdc, max 20 / 20 A, Isc PV: 26 A / 26 A

Battery: Type: Lithium / Lead-acid, nominal 288Vdc, voltage range: 85-360 Vdc, max charge current: 30 A, max charge power: 7000 W

Output: 230 Vac, 50 Hz, rated 16 A, max 18.5 A, rated 3600 W, max 3600 VA

AF4K-SH:

PV input: Max. 580 Vdc, MPPT voltage range: 50-550 Vdc, max 20 / 20 A, Isc PV: 26 A / 26 A

Battery: Type: Lithium / Lead-acid, nominal 288Vdc, voltage range: 85-360 Vdc, max charge current: 30 A, max charge power: 8000 W

Output: 230 Vac, 50 Hz, rated 17.5 A, max 20 A, rated 4000 W, max 4000 VA

AF4.6K-SH:

PV input: Max. 580 Vdc, MPPT voltage range: 50-550 Vdc, max 20 / 20 A, Isc PV: 26 A / 26 A

Battery: Type: Lithium / Lead-acid, nominal 288Vdc, voltage range: 85-360 Vdc, max charge current: 30 A, max charge power: 9000 W

Output: 230 Vac, 50 Hz, rated 20 A, max 23 A, rated 4600 W, max 4600 VA

AF5K-SH:

PV input: Max. 580 Vdc, MPPT voltage range: 50-550 Vdc, max 20 / 20 A, Isc PV: 26 A / 26 A

Battery: Type: Lithium / Lead-acid, nominal 288Vdc, voltage range: 85-360 Vdc, max charge current: 30 A, max charge power: 10000 W

Output: 230 Vac, 50 Hz, rated 22 A, max 25.5 A, rated 5000 W, max 5000 VA

AF5.5K-SH:

PV input: Max. 580 Vdc, MPPT voltage range: 50-550 Vdc, max 20 / 20 A, Isc PV: 26 A / 26 A

Battery: Type: Lithium / Lead-acid, nominal 288Vdc, voltage range: 85-360 Vdc, max charge current: 30 A, max charge power: 10000 W

Output: 230 Vac, 50 Hz, rated 24 A, max 27.5 A, rated 5500 W, max 5500 VA

AF6K-SH:

PV input: Max. 580 Vdc, MPPT voltage range: 50-550 Vdc, max 20 / 20 A, Isc PV: 26 A / 26 A

Battery: Type: Lithium / Lead-acid, nominal 288Vdc, voltage range: 85-360 Vdc, max charge current: 30 A, max charge power: 10000 W

Output: 230 Vac, 50 Hz, rated 26 A, max 30 A, rated 6000 W, max 6000 VA