

ATTESTATION OF CONFORMITY

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

For the product: Hybrid inverter

Trade name:  **Afore**

Type/Model: HNS3000HS-HV, HNS3600HS-HV, HNS4000HS-HV, HNS4600HS-HV,
HNS5000HS-HV, HNS5500HS-HV, HNS6000HS-HV

Ratings: See Annex

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

Requirements: NRS 097-2-1:2017 Edition 2.1

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6076141.50

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.

Arnhem, 18 September 2020

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DEKRA Testing and Certification (Shanghai) Ltd.

Kreny Lin
Certification Manager



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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

HNS3000HS-HV:

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

HNS3600HS-HV:

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

HNS4000HS-HV:

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

HNS4600HS-HV:

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

HNS5000HS-HV:

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

HNS5500HS-HV:

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

HNS6000HS-HV:

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