

CERTIFICATE OF CONFORMITY

Certificat de conformité

Issued to: Afore New Energy Technology (Shanghai) Co., Ltd.
Adressée à: Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China

For the product: PV Grid interactive inverter
Nom du produit: Onduleur interactif photovoltaïque connecté au réseau

Trade name: 
Marque:

Type/Model: HNS3000TL, HNS3600TL-1, HNS3600TL, HNS4000TL, HNS5000TL,
Type/Modèle: HNS6000TL, HNS7000TL, HNS8000TL, HNS9000TL, HNS10000TL

Ratings: See Annex
Informations Voir annexe
Techniques:

Manufactured by: Afore New Energy Technology (Shanghai) Co., Ltd.
Fabriqué par: Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China

Requirements: UTE C15-712-1:2013 / VFR 2019
Standards DIN VDE 0126-1-1(VDE V 0126-1-1):2013-08
harmonisés: Enedis-NOI-RES_13E, Version 7, 14/12/2018

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6191023.50.

Cette attestation est accordée suite à un examen par DEKRA, dont les résultats sont disposés dans un dossier confidentiel no. 6191023.50

The examination has been carried out on one single specimen 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. *L'examen a été effectué sur un seul échantillon du produit, soumis par le fabricant. L'attestation ne comprend pas une évaluation de production du fabricant. La conformité de sa production avec l'échantillon testé par DEKRA n'est pas de la responsabilité de DEKRA.*


This Test Certificate expires at the latest on 2029-09-29 or expires upon withdrawal of one of the above mentioned standards.

Ce certificat d'essai expire au plus tard le 2029-09-29 ou expire lors du retrait d'une des normes susmentionnées.

Shanghai, 29 September 2024

Number: 6191023.01COC

DEKRA Testing and Certification (Shanghai) Ltd.


Cliff Lin
Certification Manager

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ESA-CER-F021 v4.1

Ratings of the test product:

Model list / Ratings of the test product:					
Models	HNS3000TL	HNS3600TL -1	HNS3600TL	HNS4000TL	HNS5000TL
PV input					
P _{pv} Max(W)	4500	5400	5400	6000	7000
V _{max} PV (Vdc) (absolute Max.)	600	600	600	600	600
I _{sc} PV (absolute Max.) (A)	18 x 2	18	18 x 2	18 x 2	18 x 2
Number MPP trackers	2	1	2	2	2
Number input strings	1/1	1	1/1	1/1	1/1
Max. PV input current (A)	14 x 2	14	14 x 2	14 x 2	14 x 2
MPPT voltage range (Vdc)	70-550	70-550	70-550	70-550	70-550
Vdc range @ full power (Vdc)	110-550	265-550	130-550	145-550	180-550
AC Grid (output)					
Normal AC Voltage (VAC)	L/N/PE, 220 Vac, 230 Vac, 240 Vac				
Frequency (Hz)	50 / 60				
Normal AC Current (A)	13.1	15.7	15.7	17.4	21.8
Max. cont. output current (A)	15	17.5	17.5	20	24
Normal Power (W)	3000	3600	3600	4000	5000
Rated Apparent Power (VA)	3000	3600	3600	4000	5000
Max. cont. Power (W)	3000	3600	3600	4000	5000
Max. cont. Apparent Power (VA)	3000	3600	3600	4000	5000
Power factor(adjustable)	1.0(-0.8~ +0.8)				
Others					
Protective class	Class I				
Ingress protection (IP)	IP66				
Temperature (°C)	-25°C to +60°C (Derating 45°C)				
Inverter Isolation	Non-isolated				
Overvoltage category	OVC III (AC Main), OVC II (PV)				
Software version	V06				

Models	HNS6000TL	HNS7000TL	HNS8000TL	HNS9000TL	HNS10000TL
PV input					
P _{pv} Max(W)	8400	9800	11200	12600	14000
V _{max} PV (Vdc) (absolute Max.)	600	600	600	600	600
I _{sc} PV (absolute Max.) (A)	18 x 2	18+35	18+35	35 x 2	35 x 2
Number MPP trackers	2	2	2	2	2
Number input strings	1/1	1/2	1/2	2/2	2/2
Max. PV input current (A)	14 x 2	14+26	14+26	26 x 2	26 x 2
MPPT voltage range (Vdc)	70-550	70-550	70-550	70-550	70-550
Vdc range @ full power (Vdc)	220-550	220-550	220-550	220-550	220-550
AC Grid (output)					
Normal AC Voltage (VAC)	L/N/PE, 220 Vac, 230 Vac, 240 Vac				
Frequency (Hz)	50 / 60				
Normal AC Current (A)	26.1	30.5	34.8	39.2	43.5
Max. cont. output current (A)	28.7	33.6	38.3	45	50
Normal Power (W)	6000	7000	8000	9000	10000
Rated Apparent Power (VA)	6000	7000	8000	9000	10000
Max. cont. Power (W)	6000	7000	8000	9000	10000
Max. cont. Apparent Power (VA)	6000	7000	8000	9000	10000
Power factor(adjustable)	1.0(-0.8~ +0.8)				
Others					
Protective class	Class I				
Ingress protection (IP)	IP66				
Temperature (°C)	-25°C to +60°C (Derating 45°C)				
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