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DICHIARAZIONE DI CONFORMITÀ ALLE PRESCRIZIONI CEI 0-21:2019-04

DECLARATION OF CONFORMITY WITH CEI REQUIREMENTS 0-21:2019-04

Con la presente dichiarazione, resa ai sensi degli artt. 46 e 47 DPR 28 Dicembre 2000, n 445, consapevole delle responsabilità e delle sanzioni penali previste dall'art. 76 del citato DPR per false attestazioni e dichiarazioni mendaci, il sottoscritto Chen Wei in qualità di vicepresidente della società Afore New Energy Technology (Shanghai) Co., Ltd. con sede a Building 7,NO.333 Wanfang Road, Minhang District, Shanghai, China

With this declaration, made pursuant to articles 46 and 47 of Presidential Decree 28 December 2000, n. 445, aware of the responsibilities and penal sanctions provided for by art. 76 of the aforementioned Presidential Decree for false claims and misleading statements, the undersigned Chen Wei as Vice President of the company Afore New Energy Technology (Shanghai) Co., Ltd. based in Building 7, NO.333 Wanfang Road, Minhang District, Shanghai, China

DICHIARA

DECLARES

che gli inverter di propria costruzione di cui al nella relazione allegata sono conformi alle prescrizioni della norma CEI 0-21:2019-04. Attesta altresì che la produzione dei dispositivi avviene in regime di qualità (secondo ISO 9001, ed. 2000 e s.m.i.)

that the inverters of its own construction referred to in the attached report comply with the requirements of the CEI 0-21:2019-04 standard. It also certifies that the production of the devices takes place under a quality regime (according to ISO 9001, ed. 2000 and subsequent amendments)

Firma

Signature

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Copia del passaporto

Copy of passport

CERTIFICATE OF CONFORMITY
CERTIFICATO DI CONFORMITÀ

Issued to: *Rilasciato a:*	Afore New Energy Technology (Shanghai) Co., Ltd. Build No.7, 333 Wanfang Road, Minhang District, Shanghai, China
For the product: *Tipo prodotto:*	On-Grid PV Inverter
Trade name: *Marchio:*	Afore
Type/Model: *Riferimento modello:*	BNT003KTL, BNT004KTL, BNT005KTL, BNT006KTL, BNT008KTL, BNT010KTL, BNT012KTL, BNT013KTL, BNT015KTL, BNT017KTL, BNT020KTL, BNT025KTL
Ratings: *Dati di targa:*	See Annex
Manufactured by: *Costruttore:*	Afore New Energy Technology (Shanghai) Co., Ltd. Build No.7, 333 Wanfang Road, Minhang District, Shanghai, China
Requirements: *Requisiti:*	CEI 0-21:2022-03 *Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alle reti BT delle imprese distributrici di energia elettrica*

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6148888.50
Il presente certificato è rilasciato a causa di un esame da parte di DEKRA, i cui risultati sono riportati in un file riservato n. 6148888.50

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The certificate 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.
Il sottoscritto dichiara che il prodotto di cui sopra è conforme ai requisiti tecnici menzionati. Questo attestato di conformità è rilasciato sulla base dei risultati di prova riferiti nel rapporto sopra menzionato.
La valutazione non include una verifica della produzione di serie né del luogo di produzione.

Shanghai, 22 February 2023 Certificate Number: 6148888.01COC
It expires at the latest on: 22 February 2028

DEKRA Testing and Certification (Shanghai) Ltd.

Cliff Lin
Certification Manager

IAS ACCREDITED Product Certification Agency
PCA-141

Accreditation of the certification body by IAS according to ISO/IEC 17065 for products.
Accreditation is valid in the areas of certification mentioned in the certificate.

DEKRA Testing and Certification (Shanghai) Ltd.
3F #250 Jiangchangsan Road Shibei Hi-Tech Park, 200436 Jing'an District, Shanghai, China
T +86 21 6056 7666 F +86 21 6056 7555 www.dekra-product-safety.com

Annex

Document no. : 6148888.01COC

Ratings of the testing On-Grid PV Inverter:

Valutazioni del test On-Grid PV Inverter:

Specifications table				
Model	BNT003KTL	BNT004KTL	BNT005KTL	BNT006KTL
PV input				
Max PV power (W)	5100	6000	7500	9000
Vmax PV (Vdc) (absolute Max.)	1100	1100	1100	1100
Isc PV (absolute Max.) (A)	25 x 2	25 x 2	25 x 2	25 x 2
Max. PV input current (A)	15 x 2	15 x 2	15 x 2	15 x 2
Number MPP trackers	2	2	2	2
Number input strings	1/1	1/1	1/1	1/1
MPPT voltage range (Vdc)	150-1000	150-1000	150-1000	150-1000
Vdc range @ full power (Vdc)	200-850	200-850	200-850	250-850
AC Grid (output)				
Normal AC Voltage (VAC)	3P+N+PE/3P+PE 230/400			
Frequency (Hz)	50			
Normal AC Current (A)	4.4	5.8	7.3	8.7
Max. cont. output current (A)	5.3	7	8.5	10.5
Normal Power (W)	3000	4000	5000	6000
Rated Apparent Power (VA)	3000	4000	5000	6000
Max. cont. Power (W)	3000	4000	5000	6000
Max. cont. Apparent Power (VA)	3000	4000	5000	6000
Power factor(adjustable)	1.0 (-0.8~ +0.8)			
Others				
Protective class	Class I			
Ingress protection (IP)	IP65			
Temperature (°C)	-25°C to +60°C (Derating 45°C)			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			

Annex

Document no. : 6148888.01COC

Specifications table				
Model	BNT008KTL	BNT010KTL	BNT012KTL	BNT013KTL
PV input				
Max PV power (W)	12000	15000	18000	19500
Vmax PV (Vdc) (absolute Max.)	1100	1100	1100	1100
Isc PV (absolute Max.) (A)	25 x 2	25 x 2	25 x 2	25 x 2
Max. PV input current (A)	15 x 2	15 x 2	15 x 2	15 x 2
Number MPP trackers	2	2	2	2
Number input strings	1/1	1/1	1/1	1/1
MPPT voltage range (Vdc)	150-1000	150-1000	150-1000	150-1000
Vdc range @ full power (Vdc)	300-850	500-850	500-850	500-850
AC Grid (output)				
Normal AC Voltage (VAC)	3P+N+PE/3P+PE 230/400			
Frequency (Hz)	50			
Normal AC Current (A)	11.6	14.5	17.4	18.9
Max. cont. output current (A)	13.5	17	21.5	22
Normal Power (W)	8000	10000	12000	13000
Rated Apparent Power (VA)	8000	10000	12000	13000
Max. cont. Power (W)	8000	10000	12000	13000
Max. cont. Apparent Power (VA)	8000	10000	12000	13000
Power factor(adjustable)	1.0 (-0.8~ +0.8)			
Others				
Protective class	Class I			
Ingress protection (IP)	IP65			
Temperature (°C)	-25°C to +60°C (Derating 45°C)			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			

Annex

Document no. : 6148888.01COC

Specifications table				
Model	BNT015KTL	BNT017KTL	BNT020KTL	BNT025KTL
PV input				
Max PV power (W)	22500	25500	30000	37500
Vmax PV (Vdc) (absolute Max.)	1100	1100	1100	1100
Isc PV (absolute Max.) (A)	30 + 48	48 x 2	48 x 2	48 x 2
Max. PV input current (A)	20 + 32	32 x 2	32 x 2	32 x 2
Number MPP trackers	2	2	2	2
Number input strings	1/2	2/2	2/2	2/2
MPPT voltage range (Vdc)	150-1000	150-1000	150-1000	150-1000
Vdc range @ full power (Vdc)	500-850	500-850	500-850	500-850
AC Grid (output)				
Normal AC Voltage (VAC)	3P+N+PE/3P+PE 230/400			
Frequency (Hz)	50			
Normal AC Current (A)	21.8	24.7	29	36.3
Max. cont. output current (A)	27	30	32	40
Normal Power (W)	15000	17000	20000	25000
Rated Apparent Power (VA)	15000	17000	20000	25000
Max. cont. Power (W)	15000	17000	20000	25000
Max. cont. Apparent Power (VA)	15000	17000	20000	25000
Power factor(adjustable)	1.0 (-0.8~ +0.8)			
Others				
Protective class	Class I			
Ingress protection (IP)	IP65			
Temperature (°C)	-25°C to +60°C (Derating 45°C)			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			

Annex

Document no. : 6148888.01COC

Type of generating unit:
Tipologia di apparato:

Static Conversion Device *Dipositivo di conversione statica*	Interface Protection *Protezione di interfaccia*	Interface Protection Device *Dispositivo di interfaccia*	Rotating Generator Device *Dispositivo di generazione rotante*
Yes/*Si*	Yes/*Si*	Yes/*Si*	No

REMARK: the device is capable to limit the Idc to 0.5% of the nominal current
NOTA: Il dispositivo è in grado di limitare la Idc allo 0.5% della corrente nominale

Firmware release (SW): V06
Revisione firmware (SW): V06

Testing Laboratory:
Laboratorio prove:

Testing Laboratory for CEI 0-21:2022-03
DEKRA Testing and Certification (Suzhou) Co., Ltd.
No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Accreditation Number: L5313 (CNAS-ILAC)

Testing Laboratory for EMC:
1. Intertek Testing Services Shanghai
   Building No.86, 1198 Qinzhou Road (North), Caohejing Development Zone, Shanghai 200233, China
   Accreditation Number: 3309.02 (A2LA-ILAC)

2. Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co., Ltd.
   No.103, Caobao Road, Xuhui District, Shanghai, China
   Accreditation Number: L0130 (CNAS-ILAC)

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