CERTIFICATE OF CONFORMITY
CERTIFICATO DI CONFORMITÀ

Issued to: *Rilasciato a:*	Afore New Energy Technology (Shanghai) Co., Ltd. Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China
For the product: *Tipo prodotto:*	PV Grid interactive inverter
Trade name: *Marchio:*	Afore
Type/Model: *Riferimento modello:*	BNT030KTL, BNT036KTL, BNT040KTL, BNT050KTL, BNT060KTL
Ratings: *Dati di targa:*	See Annex
Manufactured by: *Costruttore:*	Afore New Energy Technology (Shanghai) Co., Ltd. Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China
Requirements: *Requisiti:*	CEI 0-16:2022-03 *Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alle reti* AT ed MT *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. 6160543.50
Il presente certificato è rilasciato a causa di un esame da parte di DEKRA, i cui risultati sono riportati in un file riservato n. 6160543.50

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, 30 June 2023 Certificate Number: 6160543.01COC
It expires at the latest on: 30 June 2028

DEKRA Testing and Certification (Shanghai) Ltd.

Cliff Lin
Certification Manager

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Accreditation of the certification body by IAS according to ISO/IEC 17065 for products. PCA-141
Accreditation is valid in the areas of certification mentioned in the certificate.

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Annex

Document no. : 6160543.01COC

Ratings:
Dati di targa:

Specifications table					
Model	BNT030KTL	BNT036KTL	BNT040KTL	BNT050KTL	BNT060KTL
PV input					
Max PV power (W)	45000	54000	60000	75000	90000
Vmax PV (Vdc) (absolute Max.)	1100	1100	1100	1100	1100
Isc PV (absolute Max.) (A)	48 x 2	48 x 3	48 x 3	48 x 3	48 x 4
Number MPP trackers	2	3	3	3	4
Number input strings	2/3	2/2/2	2/2/2	2/2/3	2/2/2/2
Max. PV input current / strings (A)	38 x 2	38 x 3	38 x 3	40 x 3	38 x 4
MPPT voltage range (Vdc)	200-1000	200-1000	200-1000	200-1000	200-1000
Vdc range @ full power (Vdc)	500-850	500-850	500-850	500-850	500-850
AC Grid (output)					
Normal AC Voltage (V_{AC})	3P+N+PE/3P+PE 230/400				
Frequency (Hz)	50 / 60				
Normal AC Current (A)	43.5	52.2	58	72.5	87
Max. cont. output current (A)	48	60	65	80	96
Normal Power (W)	30000	36000	40000	50000	60000
Rated Apparent Power (VA)	30000	36000	40000	50000	60000
Max. cont. Power (W)	30000	36000	40000	50000	60000
Max. cont. Apparent Power (VA)	30000	36000	40000	50000	60000
Power factor(adjustable)	1.0(-0.8~ +0.8)				
Others					
Protective class	Class I				
Ingress protection (IP)	IP65				
Temperature (℃)	-25℃ to +60℃ (Derating 45℃)				
Inverter Isolation	Non-isolated				
Overvoltage category	OVC III (AC Main), OVC II (PV)				
Software version	DSP: V06 CPLD: V06 HMI: V06				

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*	No	No	No

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

Testing Laboratory:
Laboratorio prove:
DEKRA Testing and Certification (Suzhou) Co., Ltd.
No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Accreditation Number: L5313 (CNAS-ILAC)

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中华人民共和国外交部请各国军政机关对持照人予以通行的便利和必要的协助。

The Ministry of Foreign Affairs of the People's Republic of China requests all civil and military authorities of foreign countries to allow the bearer of this passport to pass freely and afford assistance in case of need.

中华人民共和国 PEOPLE'S REPUBLIC OF CHINA

护照 PASSPORT

国家码/Country Code CHN

护照号码/Passport No. EM5232998

姓名/Name
陈星和
CHEN, XINGHE

性别/Sex 男/M

国籍/Nationality 中国/CHINESE

出生日期/Date of birth 20 DEC 1966

出生地点/Place of birth 浙江/ZHEJIANG

签发日期/Date of issue 22 5月/MAY 2024

签发地点/Place of issue 上海/SHANGHAI

有效期至/Date of expiry 21 5月/MAY 2034

签发机关/Authority
中华人民共和国国家移民管理局
National Immigration Administration, PRC

持照人签名/Bearer's signature

2185580469

POCHNCHEN<<XINGHE<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<

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