

Certificate of Conformity

Certificate Number: CN-PV-230689

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	Afore New Energy Technology (Shanghai) Co., Ltd. Building 7, No.333 Wanfang Rd, Minhang District, Shanghai, China. 201112
Product:	Grid-connected inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	BNT017KTA, BNT020KTA, BNT025KTA, BNT030KTA
Brand Name<s>:	Afore
Product Complies with:	IEC 61727:2004 IEC 62116:2014
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	231101101SHA-001

Additional information in Appendix.



Signature

Certification Manager: Qiao Qiao
Date: 08 December 2023



PRD N° 306B

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230689

Ratings & Principle Characteristics:

Specifications table				
Model	BNT017KTA	BNT020KTA	BNT025KTA	BNT030KTA
PV input				
P _{pv} Max(W)	25500	30000	37500	45000
V _{max} PV (Vdc) (absolute Max.)	750	750	750	750
I _{sc} PV (absolute Max.) (A)	48x2	48x3	48x3	48x4
Number MPP trackers	2	3	3	4
Number input strings	2/3	2/2/2	2/2/3	2/2/2/2
Max. PV input current (A)	38x2	38x3	40x3	38x4
MPPT voltage range (Vdc)	200-700	200-700	200-700	200-700
Vdc range @ full power (Vdc)	310-600	320-600	300-600	300-600
AC Grid (output)				
Normal AC Voltage (VAC)	3P+PE/3P 133/230			
Frequency (Hz)	50			
Normal AC Current (A)	42.7	50.2	62.7	75.2
Max. cont. output current (A)	48	60	80	96
Normal Power (W)	17000	20000	25000	30000
Rated Apparent Power (VA)	17000	20000	25000	30000
Max. cont. Power (W)	17000	20000	25000	30000
Max. cont. Apparent Power (VA)	17000	20000	25000	30000
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			
Inverter Isolation	Non-isolated			
Overvoltage category	OVC III (AC Main), OVC II (PV)			
Software version	V06			

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