

Certificate of Conformity

Certificate Number: CN-PV-210104

On the basis of the tests undertaken, the samples of the below product have been found to comply with the requirements of the referenced standard at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture. The manufacturer 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. Build No.7, 333 Wanfang Road, Minhang District, Shanghai. China. 201112
Product:	Grid-connected PV inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	BNT036KTL, BNT040KTL, BNT050KTL, BNT060KTL
Brand Name<s>:	Afore
Tested according to:	EN 50549-1:2019 Requirements for the connection of generation equipment in parallel with public distribution networks
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China
Test Report No.<s>:	210401416SHA-009

Additional information in Appendix.



Signature

Certification Manager: Qiao Qiao

Date: 08 May 2021

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-210104

Ratings & Principle Characteristics:

Specifications table				
Model	BNT036KTL	BNT040KTL	BNT050KTL	BNT060KTL
Input:				
Vmax PV (Vdc)	1000	1000	1000	1000
Isc PV (absolute Max.) (A)	45*2	50*2	45*3	50*3
Number MPP trackers	2	2	3	3
Number input strings	4/4	4/4	4/4/4	4/4/4
Max. PV input current(A)	36*2	40*2	36*3	40*3
MPPT voltage range (Vdc)	200-950	200-950	200-950	200-950
Vdc range @ full power (Vdc)	500-850	500-850	500-950	500-950
Output				
Normal Voltage(V)	3P+N+PE/3P+PE 230Vac/400Vac			
Frequency (Hz)	50 / 60			
Current (normal) (A)	52.2	58	72.5	87
Current (Max. continuous) (A)	56	61	75	90
Power rating (W)	36000	40000	50000	60000
Power Rating (VA)	36000	40000	50000	60000
Power factor /rated	1(-0.8~+0.8 adjustable)	1(-0.8~+0.8 adjustable)	1(-0.8~+0.8 adjustable)	1(-0.8~+0.8 adjustable)
others				
Protective class	Class I			
Ingress protection (IP)	IP 65			
Temperature (°C)	-25°C to +60°C (up 45°C derating)			
Inverter Isolation	Non-isolated			
Weight (kg)	55		79	
Dimensions (WxHxD) (mm)	780*500*230		590*850*285	
Software version	DSP: V05 CPLD: V04 HMI: V04			

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