Attestation of Conformity

Attestation No:	**SHA-AoC-230010**
Applicant Name & Address:	Afore New Energy Technology (Shanghai) Co., Ltd. Building 7, No.333 Wanfang Rd, Minhang District, Shanghai. China. 201112
Factory Name & Address:	Afore New Energy Technology (Shanghai) Co., Ltd. Building 7, No.333 Wanfang Rd, Minhang District, Shanghai. China. 201112
Product Description:	PV Grid interactive inverter
Brand Name:	Afore
Model:	BNT017KTA, BNT020KTA, BNT025KTA, BNT030KTA, BNT030KTL, BNT036KTL, BNT040KTL, BNT050KTL, BNT060KTL
Characteristics:	See appendix for details
Standards:	EN 62109-1:2010; EN 62109-2:2011
EU Directive:	Low Voltage Directive (LVD) (2014/35/EU)
Test Report No:	230601220SHA-001, 230601220SHA-002
Issued by:	Intertek Testing Services Ltd. Shanghai
Issue date:	2023-07-19

This is to attest that the Technical Construction File for the product listed above has been evaluated against the Essential Safety Requirements of Annex I of The Low Voltage Directive (2014/35/EU). This Attestation can be used in support of the Manufacturers Declaration of Conformity on affixing the CE mark. Product conformity to CE marking is not assured until all other applicable EU Regulations are met in full.

Signature

Name: Qiao Qiao

APPENDIX: Attestation of Conformity

Ratings & Principle Characteristics:

Specifications table				
Model	BNT017KTA	BNT020KTA	BNT025KTA	BNT030KTA
PV input				
P pv Max(W)	25500	30000	37500	45000
Vmax PV (Vdc) (absolute Max.)	750	750	750	750
Isc PV (absolute Max.) (A)	48 x2	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)	38x 2	38 x3	40x3	38 x4
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 (℃)	-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			

APPENDIX: Attestation of Conformity

Ratings & Principle Characteristics:

Specifications table					
Model	BNT030KTL	BNT036KTL	BNT040KTL	BNT050KTL	BNT060KTL
PV input					
P pv Max(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
Max. PV input current / strings (A)	38 x 2	38 x 3	38 x 3	40 x 3	38 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
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 (VAC)	3P+N+PE/3P+PE 230/400				
Frequency (Hz)	50				
Normal AC Current (A)	43.5	52.2	58	72.5	87
Max. cont. output current (A)	48	60	65	80	96
Normal Power (kW)	30	36	40	50	60
Rated Apparent Power (kVA)	30	36	40	50	60
Max. cont. Power (kW)	30	36	40	50	60
Max. cont. Apparent Power (kVA)	30	36	40	50	60
Power factor	1 (-0.8~+0.8 adjustable)				
Others					
Ingress protection (IP)	IP65				
Protective class	Class I				
Temperature (℃)	-25°C to +60°C (Derating 45°C)				
Inverter Isolation	☒Non-isolated				
Overvoltage category	OVC III (AC Main), OVC II (PV)				
Software Version	DSP:V06 CPLD:V06 HMI:V06				