



Intertek Testing Services Shanghai
Building No.86, 1198 Qinzhou Road (North),
Caohejing Development Zone,
Shanghai 200233, China
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Test Verification of Conformity

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 specifications at the time the tests were carried out.

Applicant Name & Address : Afore New Energy Technology(Shanghai)Co., Ltd.
1st &2nd Floor, B Building, Business Building, No.2 Building,
No.1588, Lianhang road, Minhang District, Shanghai, China
201112

Manufacturing site Name & Address : Same as applicant

Product(s) Tested : PV Grid interconnected inverter

Ratings and principal characteristics : See Annex

Model(s) : See Annex

Brand name : Afore

Relevant Standard(s) / Specification(s) : IEC 62116 :2014+ IEC 61727:2004+ IEC 61683:1999
IEC 60068-2-1: 2007 Test A: Cold
IEC 60068-2-2: 2007 Test B: Dry heat
IEC 60068-2-14:2009 Test N: Change of temperature
IEC60068-2-30: 2005 Test Db: Damp heat, cyclic
12+12h cycle)

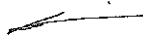
Verification Issuing Office Name & Address : Intertek Testing Services Shanghai
Building No.86, 1198 Qinzhou Road (North), Shanghai 200233,
China

Verification Number : 170301702SHA-V1

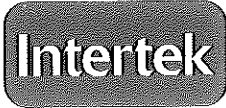
Report Number(s) : 170301702SHA-001/002/003/004

NOTE 1: This verification is part of the full test report(s) and should be read in conjunction with it.

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Signature
Name: Jonny Jing
Position: Manager
Date: 2017-06-08



Annex to Test Verification of Conformity

This is an Annex to Test Verification of Conformity with Verification/Report Number(s):

170301702SHA-V1/ 170301702SHA-001/002/003/004. The issuing office is Intertek Testing Services Shanghai
 (Address: Building No.86, 1198 Qinzhou Road (North), Caohejing Development Zone, Shanghai 200233, China).

Rating table				
Model	HNS1000TL-1	HNS1500TL-1	HNS2000TL-1	
Input:				
Vmax PV (Vdc)	450	450	500	
Isc PV (absolute Max.) (A)	12.5	12.5	15	
Number MPP trackers	1	1	1	
Number input strings	1	1	1	
Max. PV input current(A)	10	10	12	
MPPT voltage range (Vdc)	50-400	90-400	120-400	
Vdc range @ full power (Vdc)	110-400	160-400	185-400	
Output				
Normal Voltage(V)	<input checked="" type="checkbox"/> 1/N/PE 230Vac <input type="checkbox"/> 3/N/PE 400Vac			
Frequency(Hz)	<input checked="" type="checkbox"/> 50 Hz <input type="checkbox"/> 60Hz			
Current (normal) (A)	6	8	10	
Current (Max. continuous) (A)	6	9	12	
Power rating (W)	1000	1500	2000	
Power Rating(VA)	1000	1500	2000	
Power factor /rated	-0.95~+0.95	-0.95~+0.95	-0.95~+0.95	
others				
Protective class	Class I			
Ingress protection (IP)	IP 65			
Temperature(°C)	-20°C to +55°C(up 45°C derating)			
Inverter Isolation	<input checked="" type="checkbox"/> Non-isolated <input type="checkbox"/> High frequency isolated			
Weight (kg)	9kg			



Annex to Test Verification of Conformity

Rating table				
Model	HNS2500TL-1	HNS3000TL-1	HNS3600TL-1	
Input:				
Vmax PV (Vdc)	500	500	550	
Isc PV (absolute Max.) (A)	17.5	21	21	
Number MPP trackers	1	1	1	
Number input strings	1	1	1	
Max. PV input current(A)	14	17	17	
MPPT voltage range (Vdc)	120-400	120-400	120-450	
Vdc range @ full power (Vdc)	190-400	190-400	220-450	
Output				
Normal Voltage(V)	<input checked="" type="checkbox"/> 1/N/PE 230Vac <input type="checkbox"/> 3/N/PE 400Vac			
Frequency(Hz)	<input checked="" type="checkbox"/> 50 Hz <input type="checkbox"/> 60Hz			
Current (normal) (A)	12	13	16	
Current (Max. continuous) (A)	13	15	18	
Power rating (W)	2500	3000	3600	
Power Rating(VA)	2500	3000	3600	
Power factor /rated	-0.95~+0.95	-0.95~+0.95	-0.95~+0.95	
others				
Protective class	Class I			
Ingress protection (IP)	IP 65			
Temperature(°C)	-20°C to +55°C (up 45°C derating)			
Inverter Isolation	<input checked="" type="checkbox"/> Non-isolated <input type="checkbox"/> High frequency isolated			
Weight (kg)	12kg			

NOTE: This annex is part of the Test Verification of Conformity and should be read in conjunction with it.

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