



**BUREAU
VERITAS**

Certificate of compliance

Manufacturer / applicant: **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

Product type: **Photovoltaic inverter**

Model: **BNT036KTL
BNT040KTL
BNT050KTL
BNT060KTL**

The certificate refers to the stated model(s) which passed the tests according to the applicable standard(s):

UNE 217001:2015 IN

Requirements and tests for systems intended to avoid the energy transmission to the distribution network

RD 1699:2011

Regulation for connection to the network of installations for the production of electrical energy with small power.

RD 413:2014

Regulation for the activity of production of electrical energy from renewable energy sources, cogeneration and waste

Report number: **AFR-19JY3137FCSHP-1
AFR-19JY3137FCSHP-2**

Certificate number: **U19-0568**

Date of issue: **2019-10-16**

Certification body

H. Schaffer
Holger Schaffer

Certification body of Bureau Veritas Consumer Products Services Germany GmbH
Accredited according to DIN EN ISO/IEC 17065

Ratings

Photovoltaic inverter:	BNT036KTL	BNT040KTL	BNT050KTL	BNT060KTL
Input MPPT DC voltage range [V]:	300-850		300-950	
Input DC voltage range [V]:	1000 max			
Max. Input DC current [A]:	36*2 (max)	40*2 (max)	36*3(max)	40*3 (max)
Output AC voltage [V]:	3/N/PE, 230/400Vac, 50/60Hz			
Max. Output AC current [A]:	56 (per phase)	61 (per phase)	75 (per phase)	90 (per phase)
Output power [VA]:	36000	40000	50000	60000

Wattmeter / Power Analyser:	TAPM-130KW
Electrical ratings	
Operating Voltage Range Line to Line [Vac]	340-440
AC Frequency [Hz]	50/60
Grids Supported Three Phase	L/N/PE ;L1/L2/L3/N/PE
Power Consumption (typ.) [W]	0,4
Communications	
Supported communication interface:	RS485
Communication protocol:	Modbus
Response time [ms]:	≤50

Ratings

Current transformer:	BH-0.66 50I
Electrical ratings	
CAT IV (service entrance) [Vac]:	250
CAT III [Vac]:	660
Line Frequency [Hz]:	50/60
Standard Accuracy (% of reading)	
Accuracy:	±0,5%
Phase angle:	±0,50 degrees
IEC 60044-1 accuracy:	class 0,5
<p>Note: The test system is designed for the use of one photovoltaic inverter together with the power analyser.</p> <p>Assimilable power analyser and current transformer can be used that meet characteristics above with</p> <ul style="list-style-type: none"> - same connection rate (single phase or three phase). - same measurement tolerance. - same time of refreshment of the measurements made (or less). - same type of communications. - in the event that additional current or voltage transformers are required, same precision of the assembly or higher. 	