

NEW

Commercial & Power Plants 50–60 kW

External Inductor

Temperature inside of the box is effectively reduced by isolating the main heat source, which significantly improves the reliability and lifetime of inverter.

Aluminum Enclosure Design

Light and compact with premium whole body cooling. Surface treated by anodic oxidation, which enhances high strength, effective anti-oxidation and corrosion resistance from acid and alkali.



Touch Button

High reliability and more responsive.

Wired Ethernet/WI-FI(Optional)

Enable customers to get to know inverter operation status easily.



MPPT efficiency > 99.9%



Intelligent Temperature Control System



Active and reactive power compensation, adjust power factor, reduce losses and improve efficiency



Multiple automatic intelligent protections



Industry top IP68 grade fan



DC and AC lightning protection function(Type II)



support 1.2 times power input overload and 1.1 times output capacity

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Electrical Specifications	BNT050KTL	BNT060KTL
Input (DC)		
Max DC Power (W)	60000	72000
Max DC Voltage (V)	1000	1000
Rated /Recommended Voltage (V)	620	620
MPPT DC Voltage Range (V)	300 ~ 950	300 ~ 950
Start up DC Voltage (V)	320	320
Max DC Current (A)	36/36/36	40/40/40
Number of MPPT Tracker	3	3
Number of DC Connections (set)	12	12
Output (AC)		
Max AC Power (W)	55000	66000
Nominal AC Power (W)	50000	60000
Max AC Current (A)	80	95
Nominal AC Current (A)	72.5	87
Nominal AC Voltage (V)	3P+N+PE/3P+PE,230/400	
Nominal AC Frequency (Hz)	50/60	
Power Factor	0.99 (-0.8~+0.8)	
Output current THD	<3%	
Power consumption		
Power consumption at Night (W)	<1	
Power consumption at Standby (W)	<15	
Power Efficiency		
Max Efficiency	98.80%	99%
Euro Efficiency	98.45%	98.50%
MPPT Efficiency	99.90%	99.90%
Safety and protection		
Safety Standard	EN/IEC 62109-1/-2	
EMC Standard	EN/IEC 61000-6, EN61000-3	
Anti-islanding Protection	Internal	
General information		
Dimensions(WxHxD) (mm)	630*850*306	
Enclosure	IP65	
RCD	Internal	
Weight (kg)	66	68
Ambient Temperature Range	-25°C ~ +60°C	
Relative humidity	0% ~ 100%	
Topology	Transformerless	
Communication Interface	Wired Ethernet/WI-FI/GPRS(Optional)	
Cooling Concept	Intelligent fan cooling	
Noise Emission [dB]	< 55	
Maximum Altitude(above sea level) (m)	Up to 3000m without derating	

