

<b>PV Input Data</b>	<b>BNT003KTA</b>	<b>BNT004KTA</b>	<b>BNT005KTA</b>	<b>BNT006KTA</b>	<b>BNT008KTA</b>	<b>BNT010KTA</b>	<b>BNT012KTA</b>	<b>BNT015KTA</b>	
Max. DC Power ( W )	5100	6000	7500	9000	12000	15000	18000	22500	
Max. DC Voltage ( V )	750								
MPPT Voltage Range ( V )	150 - 600								
MPPT Full Power Voltage Range ( V )	220 - 600							330 - 600	
Rated Input Voltage ( V )	380						400		
Start-up Voltage ( V )	150								
Max. Input Current ( A )	15 x 2				20 + 32		32 x 2		
Max. Short Current ( A )	25 x 2				30 x 48		48 x 2		
No. of MPP Tracker / No. of PV String	2/2				2/3		2/4		
Input Connector Type	MC4								
<b>AC Output Data</b>	<b>BNT003KTA</b>	<b>BNT004KTA</b>	<b>BNT005KTA</b>	<b>BNT006KTA</b>	<b>BNT008KTA</b>	<b>BNT010KTA</b>	<b>BNT012KTA</b>	<b>BNT015KTA</b>	
Max. Output Power ( W )	3300	4400	5500	6600	8800	11000	13200	16500	
Nominal Output Power ( W )	3000	4000	5000	6000	8000	10000	12000	15000	
Max. Output Current ( A )	10.5	13.5	17	21.5	27	30	32	40	
Nominal Output Voltage ( V )	3P+N+PE / 3P+PE 133 / 230								
Grid Voltage Range	180-260Vac (According to local standard)								
Nominal Output Frequency ( Hz )	50 / 60								
Grid Frequency Range	45-55 / 55-65Hz (According to local standard)								
Output Power Factor	1 default (adjustable from 0.8 leading to 0.8 lagging)								
Output Current THD	<3%								
<b>Efficiency</b>	<b>BNT003KTA</b>	<b>BNT004KTA</b>	<b>BNT005KTA</b>	<b>BNT006KTA</b>	<b>BNT008KTA</b>	<b>BNT010KTA</b>	<b>BNT012KTA</b>	<b>BNT015KTA</b>	
Max. Efficiency	97.50%		98.00%			98.10%		98.00%	98.40%
Euro Efficiency	97.00%		97.40%	97.50%			97.80%		
<b>Protection</b>	<b>BNT003KTA</b>	<b>BNT004KTA</b>	<b>BNT005KTA</b>	<b>BNT006KTA</b>	<b>BNT008KTA</b>	<b>BNT010KTA</b>	<b>BNT012KTA</b>	<b>BNT015KTA</b>	
PV Reverse Polarity Protection	YES								
PV Insulation Resistance Detection	YES								
AC Short Circuit Protection	YES								
AC Over Current Protection	YES								
AC Over Voltage Protection	YES								
Anti-Islanding Protection	YES								
Residual Current Detection	YES								
Over Temperature Protection	YES								
Integrated DC switch	YES								
Surge Protection	Integrated (Type II)								
Smart IV Curve Scanning	YES								
Quick Arc Fault Circuit Interruption	Optional								
<b>General Data</b>	<b>BNT003KTA</b>	<b>BNT004KTA</b>	<b>BNT005KTA</b>	<b>BNT006KTA</b>	<b>BNT008KTA</b>	<b>BNT010KTA</b>	<b>BNT012KTA</b>	<b>BNT015KTA</b>	
Dimensions ( W x H x D, mm )	370 x 510 x 167			370 x 510 x 192			370 x 535 x 192		
Weight ( kg )	16	16			17	19			
Protection Degree	IP65								
Enclosure Material	Aluminum								
Ambient Temperature Range ( °C )	-25 - +60								
Humidity Range	0 - 100%								
Topology	Transformerless								
Communication Interface	RS485 / WiFi / Wire Ethernet / GPRS (optional)								
Cooling Concept	Convection				Intelligent fan cooling				
Noise Emission ( db )	<30			<40			<51		
Night Power Consumption ( W )	<1								
Max. Operation Altitude ( m )	2000								
<b>Certifications and Standards</b>	<b>BNT003KTA</b>	<b>BNT004KTA</b>	<b>BNT005KTA</b>	<b>BNT006KTA</b>	<b>BNT008KTA</b>	<b>BNT010KTA</b>	<b>BNT012KTA</b>	<b>BNT015KTA</b>	
EMC Standard	EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN61000-3-2, EN61000-3-3, EN61000-3-11, EN61000-3-12								
Safety Standard	IEC 60068, UL1741, EN62109								
Grid-connection	IEEE1547, CSA C22, EN50549, VDE4105, VDE0126, RD1699, ABNT NBR16149 & 16150, AS4777.2, NB/T32004, G98/G99, IEC61727								