

Technical Parameters

Type	BNT010KTL	BNT012KTL	BNT015KTL	BNT017KTL	BNT020KTL	BNT030KTL
Input (DC)						
Max PV Generator(W)	11000	13200	16500	18700	22000	31000
Start up Voltage	320	320	320	320	320	320
Max DC Voltage(V)	800	800	800	800	800	800
Rated Input Voltage(V)	620-720	620-720	620-720	620-720	620-720	620-720
MPPT DC Voltage Range(V)	420-800	420-800	420-800	420-800	420-800	420-800
Turn off DC Voltage(V)	295	295	295	295	295	295
Max DC Current(A)	11+11	13+13	16+16	18+18	21+21	33+33
Number of MPP Trackers	2	2	2	2	2	2
Number of DC Connections	4	4	4	4	4	6
Output (AC)						
Max AC Power(W)	10700	12850	16100	18250	21450	30200
Nominal AC Power(W)	10000	12000	15000	17000	20000	30000
Max AC Current(A)	17	21	27	30	35	48
Nominal AC Current (A)	14	17	22	25	29	43
Power Factor	-0.9 ~ + 0.9					
Harmonic Distortion(THD)	<3%					
AC Connector	Plug In Connector(Inside)					
Power Consumption						
Power Consumption at Night	<2					
Power Consumption at Standby	<10					
Efficiency						
Max Efficiency	98.00%	98.00%	98.20%	98.20%	98.20%	98.20%
Euro Efficiency	97.00%	97.00%	97.50%	97.50%	97.50%	97.65%
MPPT Efficiency	>99%					
Safety And Protection						
DC Surge Protection	Type III					
DC Insulation Monitoring	Yes					
Earth Fault Protection	Yes					
Electricity Fuse Protection	Yes					
DC Switch	Yes					
Grid Monitoring	According to DE:VED 0126/4105,UK:G59/3, IT:ENEL2010, AU:AS4777, CN:CQC					
Earth Fault Current Monitoring	According to DE:VED 0126/4105,UK:G59/3, IT:ENEL2010, AU:AS4777, CN:CQC					
CE-Compliant According to	EN62109, EN61000-6-1, EN61000-6-3, EN61000-6-2, EN61000-6-4, EN61000-3-2, EN61000-3-3, EN61000-3-12, EN61000-3-11					
Environmental Limits						
IP Protection Type	IP65(Outdoor)					
Operation Temperature Range	-20c ~ + 55c					
Max Altitude Above Sea Level	0 to 2000m					
Noise Level(db)	<65					
General Data						
Dimensions(WxHxD)	718x580x215					718x630x215
Weight(Kg)	48	48	50	50	50	60
Mounting Information	Wall Bracket					
Monitoring Connection	RS485, Optional(3G, WI-FI, Ethernet)					
Software Upgrade	RS485					
LCD Display	4 x LED, 240x160 pix LCD, Backlight					
Standard Warranty	10 Years(Optional 20 Years)					