





BLUE-G THREE PHASE SERIES


BluE-3KT / BluE-3.6KT / BluE-4KT / BluE-5KT / BluE-6KT / BluE-8KT / BluE-10KT / BluE-12KT

PV On-Grid String Inverter

 Max. PV voltage up to 1100V
Type II DC /AC SPD

 Reactive power control
WiFi / 4G Plug optional

 DC/AC ratio up to 2
IP65 protection

 High efficiency up to 98.7%
Smaller and lighter

MODEL	BluE-3KT	BluE-3.6KT	BluE-4KT	BluE-5KT	BluE-6KT	BluE-8KT	BluE-10KT	BluE-12KT
Input(DC)								
Max. DC voltage	1100Vdc							
Start voltage	180V							
MPPT voltage range	140 V~1000 V							
No. of MPPT	2							
Number of strings input	2							
Max. input current per MPPT	15A							
Max. short-circuit current per MPPT	20A							
Output(AC)								
Nominal AC output power	3000W	3600W	4000W	5000W	6000W	8000W	10000W	12000W
Maximum AC output power	3300VA	4000VA	4400VA	5500VA	6600VA	8800VA	11000VA	13200VA
Nominal AC voltage	400V							
AC grid frequency range	50 / 60Hz(±5Hz)							
Maximum output current	4.8A	6.1A	6.8A	8.5A	10.1A	13.5A	16.9A	20A
Power factor(Φ)	0.8leading-0.8lagging							
THDi	3%							
Efficiency								
Max. efficiency	98.4%	98.4%	98.5%	98.5%	98.6%	98.6%	98.7%	98.7%
Euro efficiency	98.7%	98.7%	98%	98%	98%	98%	98.1%	98.2%
Protection devices								
DC switch	Yes							
Output over current	Yes							
Anti-islanding protection	Yes							
DC reverse polarity protection	Yes							
String fault Detection	Yes							
AC/DC surge protection	Type II							
Insulation detection	Yes							
AC short circuit protection	Yes							
General Specifications								
Dimensions W x H x D (mm)	310x563x219							
Weight(kg)	18							
Operating temperature range	-25°C~+60°C							
Cooling type	Natural cooling							
Max. operation altitude	4000m							
Max. operation humidity	0-100%(No condensation)							
IP class	IP65							
Topology	Transformerless							
Communication	RS485/Wifi/4G							
Display	LCD							
Certification & Standard	EN/IEC62109-1 ; EN/IEC62109-2 ; IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;IEC60068; IEC62116;IEC61727;EN50549-1;NB/T32004-2018 ;							

* Specifications subject to change without prior notice. Available at Q1,2021.

MODEL	BluE-12KTL	BluE-15KTL	BluE-20KTL
Input(DC)			
Max. DC voltage	800Vdc	800Vdc	800Vdc
Start voltage	180V	180V	180V
MPPT voltage range	180 V~1000 V	180 V~1000 V	180 V~1000 V
No. of MPPT	2	2	2
Number of strings input	4	4	4
Max. input current per MPPT	15A	15A	15A
Max. short-circuit current per MPPT	20A	20A	20A
Output(AC)			
Nominal AC output power	11300W@108V 12000W@220V 13100W@240V	14400W@208V 15000W@220V 16600W@240V	19600W@208V 20700W@220V 22600W@240V
Maximum AC output power	13100VA	16600VA	22600VA
Nominal AC voltage	220V	220V	220V
AC grid frequency range	50 / 60Hz	50 / 60Hz	50 / 60Hz
Maximum output current	31.5A	40A	54.5A
Power factor(Φ)	0.8leading-0.8lagging		
THDi	3%		
Efficiency			
Max. efficiency	98.7%	98.7%	98.7%
Euro efficiency	98.4%	98.4%	98.5%
Protection devices			
DC switch	Yes		
Output over current	Yes		
Anti-islanding protection	Yes		
DC reverse polarity protection	Yes		
String fault Detection	Yes		
AC/DC surge protection	Type II		
Insulation detection	Yes		
AC short circuit protection	Yes		
General Specifications			
Dimensions W x H x D (mm)	380x483x193		
Weight(kg)	18	25	25
Operating temperature range	-25°C~+60°C (more than 40°C derating)		
Cooling type	Fan Cooling		
Max. operation altitude	4000m		
Max. operation humidity	0-100%(No condensation)		
IP class	IP66		
Topology	Transformerless		
Communication	RS485/Wifi/4G		
Display	LCD		
Certification & Standard	EN/IEC 62109-1_2010, EN/IEC 62109-2_2011, EN/IEC 61000-6-1/2/3/4, EN/IEC 61000-3-11/12, IEC 60068, IEC 60529, IEC62116,IEC61727		

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MODEL	BluE-15KT	BluE-17KT	BluE-20KT	BluE-25KT
Input(DC)				
Max. DC voltage	1100Vdc	1100Vdc	1100Vdc	1100Vdc
Start voltage	180V	180V	180V	180V
MPPT voltage range	140 V~1000 V	140 V~1000 V	140 V~1000 V	140 V~1000 V
No. of MPPT	2	2	2	2
Number of strings input	3	4	4	4
Max. input current per MPPT	30A/15A	30A	30A	30A
Max. short-circuit current per MPPT	40A/20A	40A	40A	40A
Output(AC)				
Nominal AC output power	15000W	17000W	20000W	25000W
Maximum AC output power	16500VA	18700VA	22000VA	27500VA
Nominal AC voltage	400V			
AC grid frequency range	50 / 60Hz(±5Hz)			
Maximum output current	25A	27.1A	31.9A	36.1A
Power factor(Φ)	0.8leading-0.8lagging			
THDi	3%			
Efficiency				
Max. efficiency	98.7%	98.7%	98.7%	98.7%
Euro efficiency	98.3%	98.3%	98.3%	98.3%
Protection devices				
DC switch	Yes			
Output over current	Yes			
Anti-islanding protection	Yes			
DC reverse polarity protection	Yes			
String fault Detection	Yes			
AC/DC surge protection	Type II			
Insulation detection	Yes			
AC short circuit protection	Yes			
General Specifications				
Dimensions W x H x D (mm)	380x483x193			
Weight(kg)	19			
Operating temperature range	-25°C~+60°C			
Cooling type	Fan cooling			
Max. operation altitude	4000m			
Max. operation humidity	0-100%(No condensation)			
IP class	IP65			
Topology	Transformerless			
Communication	RS485/Wifi/4G			
Display	LCD			
Certification & Standard	EN/IEC62109-1 ; EN/IEC62109-2 ; IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;IEC60068; IEC60529;IEC62116;IEC61727;EN50549-1;NB/T32004-2018 ; GB/T19964-2012			

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