

# BluE-G SINGLE PHASE SERIES

BluE-G 3000D / BluE-G 5000D  
BluE-G 6000D / BluE-G 8000D



## String Grid-Tied PV Inverter



Max. PV voltage up to 600V  
DC/AC ratio up to 1.5



Compatible for big capacity PV panel  
WiFi / 4G Plug optional



Type II DC SPD/Type III AC SPD  
IP65 protection



High efficiency up to 98.3%  
Smaller and lighter



MODEL	BluE-G 3000D	BluE-G 5000D	BluE-G 6000D	BluE-G 8000D
<b>Input(DC)</b>				
Max. DC Voltage	600V	600V	600V	600V
Nominal Voltage	380V	380V	380V	380V
Start Voltage	120V	120V	120V	100V
MPPT Voltage Range	80V-560V	80V-560V	80V-560V	80V-540V
Number of MPPT Tracker	2	2	2	2
Strings Per MPPT Tracker	1	1	1	1
Max. Input Current Per MPPT	15A	15A	15A	26A/16A
Max. Short-circuit Current Per MPPT	18A	18A	18A	31A/19A
<b>Output(AC)</b>				
Nominal AC Output Power	3000W	5000W	6000W	8000W
Max. AC Apparent Power	3300VA	5500VA	6000VA	8000VA
Nominal AC Voltage	230V L-N	230V L-N	230V L-N	230V L-N
AC Grid Frequency Range	50Hz / 60Hz±5Hz			
Max. Output Current	14.4A	24A	26A	35A
Power Factor(cosΦ)	0.8 leading ~ 0.8 lagging			
THDi	<3%			
<b>Efficiency</b>				
Max. Efficiency	98.1%	98.3%	98.3%	98.3%
Euro Efficiency	97.7%	97.9%	97.9%	97.9%
<b>Protection devices</b>				
DC Switch	Yes	No	Yes	Yes
Anti-islanding Protection	Yes	Yes	Yes	Yes
Output Over Current	Yes	Yes	Yes	Yes
DC Reverse Polarity Protection	Yes	Yes	Yes	Yes
String Fault Detection	Yes	Yes	Yes	Yes
Surge Protection	DC: Type II / AC: Type III			
Insulation Detection	Yes	Yes	Yes	Yes
AC Short Circuit Protection	Yes	Yes	Yes	Yes
<b>General Specifications</b>				
Dimensions W x H x D	380X380X150mm			
Weight	10kg	11kg	11kg	13kg
Operating Temperature Range	-25°C~+60°C			
Cooling Type	Natural			Fan Cooling
Max. Operation Altitude	≤4000m			
Max. Operation Humidity	0-100%			
AC Output Terminal Type	Quick Connector			
IP Class	IP65			
Topology	Transformer less			
Communication	RS485/WIFI/4G/USB Optional			
Display	LCD			
Certification & Standard	EN/IEC62109-1/2 ; IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116; IEC61727;EN50549-1;AS 4777.2;NRS 097;VDE-AR-N-4105;VDE 0126-1-1;CEI0-21;G98;G99;C10/C11;TED749; UNE217001;UNE217002;NB/T32004-2018 ; GB/T19964-2012;INMETRO			

\* Specifications subject to change without prior notice.

**KSTAR**

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