


BluE-G SINGLE PHASE SERIES

BluE-G 3600D / BluE-G 4000D / BluE-G 4200D
BluE-G 4600D / BluE-G 5000D
BluE-G 6000D




PV On-Grid String 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 3600D	BluE-G 4000D	BluE-G 4200D	BluE-G 4600D	BluE-G 5000D	BluE-G 6000D
Input(DC)						
Max. DC Voltage	600V	600V	600V	600V	600V	600V
Nominal Voltage	380V	380V	380V	380V	380V	380V
Start Voltage	100V	100V	100V	100V	100V	100V
MPPT Voltage Range	80V-560V	80V-560V	80V-560V	80V-560V	80V-560V	80V-560V
Number of MPP Tracker	2	2	2	2	2	2
Strings Per MPP Tracker	1	1	1	1	1	1
Max. Input Current Per MPPT	15A	15A	15A	15A	15A	15A
Max. Short-circuit Current Per MPPT	18A	18A	18A	18A	18A	18A
Output(AC)						
Nominal AC Output Power	3600W	4000W	4200W	4600W	5000W ¹	6000W
Max. AC Apparent Power	3960VA ²	4400VA	4620VA	5060VA ³	5500VA ⁴	6000VA
Nominal AC Voltage	230V L-N	230V L-N	230V L-N	230V L-N	230V L-N	230V L-N
AC Grid Frequency Range	50Hz / 60Hz±5Hz					
Max. Output Current	17A ⁵	19A	20A	22A ⁶	24A ⁷	26A
Power Factor(cosΦ)	0.8 leading ~ 0.8 lagging					
THDi	<3%					
Efficiency						
Max. Efficiency	98.1%	98.3%	98.3%	98.3%	98.3%	98.3%
Euro Efficiency	97.7%	97.9%	97.9%	97.9%	97.9%	97.9%
Protection devices						
DC Switch	Yes	Yes	Yes	Yes	Yes	Yes
Anti-islanding Protection	Yes	Yes	Yes	Yes	Yes	Yes
Output Over Current	Yes	Yes	Yes	Yes	Yes	Yes
DC Reverse Polarity Protection	Yes	Yes	Yes	Yes	Yes	Yes
String Fault Detection	Yes	Yes	Yes	Yes	Yes	Yes
Surge Protection	DC: Type II / AC: Type III					
Insulation Detection	Yes	Yes	Yes	Yes	Yes	Yes
AC Short Circuit Protection	Yes	Yes	Yes	Yes	Yes	Yes
General Specifications						
Dimensions W x H x D	380X380X150mm					
Weight	10kg	11kg	11kg	11kg	11kg	11kg
Operating Temperature Range	-25°C~ +60°C					
Cooling Type	Natural					
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					
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					

*1. Nominal AC output power is 4999W for Australia and 4600W for Germany and South Africa.

*2. Max. AC apparent power is 3680VA for the UK.

*3. Max. AC apparent power is 5000VA for Belgium and is 4600VA for Germany and South Africa.

*4. Max. AC apparent power is 4999VA for Australia, 5000VA for Belgium and 4600VA for Germany and South Africa.

*5. Maximum output current is 16A for England.

*6. Maximum output current is 21.7A for Australia and 20A for Germany and South Africa.

*7. Maximum output current is 21.7A for Australia and 20A for Germany and South Africa.