

BluE-G SINGLE PHASE SERIES

BluE-G 3000S / BluE-G 3000D / BluE-G 3600D / BluE-G 4000D
BluE-G 4200D / BluE-G 4600D / BluE-G 5000D / BluE-G 6000D

BluE-G 3000S-M1 / BluE-G 3000D-M0 / BluE-G 3000D-M1 /
BluE-G 4000D-M0 / BluE-G 4000D-M1 / BluE-G 5000D-M1 /
BluE-G 6000D-M1



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	3000S	3000D	3600D	4000D	4200D	4600D	5000D	6000D
Input(DC)								
Max. DC Voltage	600V	600V	600V	600V	600V	600V	600V	600V
Nominal Voltage	380V	380V	380V	380V	380V	380V	380V	380V
Start Voltage	120V	120V	120V	120V	120V	120V	120V	120V
MPPT Voltage Range	80V-550V	80V-550V	80V-550V	80V-550V	80V-550V	80V-550V	80V-550V	80V-550V
Number of MPPT Tracker	1	2	2	2	2	2	2	2
Strings Per MPPT Tracker	1	1	1	1	1	1	1	1
Max. Input Current Per MPPT	12.5A	11A	11A	11A	11A	12.5A	12.5A	12.5A
Max. Short-circuit Current Per MPPT	15.6A	13.2A	13.2A	13.2A	13.2A	15.6A	15.6A	15.6A
Output(AC)								
Nominal AC Output Power	3000W	3000W	3600W	4000W	4200W	4600W	5000W ¹	6000W
Max. AC Apparent Power	3300VA	3300VA	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	230V L-N	230V L-N
AC Grid Frequency Range	50Hz / 60Hz±5Hz							
Max. Output Current	14.4A	14.4A	17.3A ⁵	19.2A	20.1A	22A ⁶	24A ⁷	26A
Power Factor(cosΦ)	0.8 leading ~ 0.8 lagging							
THDi	<3%							
Efficiency								
Max. Efficiency	98.1%	98.1%	98.1%	98.3%	98.3%	98.3%	98.3%	98.3%
Euro Efficiency	97.7%	97.7%	97.7%	97.9%	97.9%	97.9%	97.9%	97.9%
Protection devices								
DC Switch	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Anti-islanding Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Output Over Current	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DC Reverse Polarity Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
String Fault Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Surge Protection	DC: Type II / AC: Type III							
Insulation Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
AC Short Circuit Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
General Specifications								
Dimensions W x H x D	380X380X150mm							
Weight	10kg	10kg	11kg	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.

MODEL	3000S-M1	3000D-M0	3000D-M1	4000D-M0	4000D-M1	5000D-M1	6000D-M1
Input(DC)							
Max. DC Voltage	600V	600V	600V	600V	600V	600V	600V
Nominal Voltage	380V	380V	380V	380V	380V	380V	380V
Start Voltage	120V	120V	120V	120V	120V	120V	120V
MPPT Voltage Range	80V-560V	80V-560V	80V-560V	80V-560V	80V-560V	80V-560V	80V-560V
Number of MPPT Tracker	1	2	2	2	2	2	2
Strings Per MPPT Tracker	1	1	1	1	1	1	1
Max. Input Current Per MPPT	15A	13A	15A	13A	15A	15A	15A
Max. Short-circuit Current Per MPPT	18A	15.6A	18A	15.6A	18A	18A	18A
Output(AC)							
Nominal AC Output Power	3000W	3000W	3000W	4000W	4000W	5000W	6000W
Max. AC Apparent Power	3300VA	3300VA	3300VA	4400VA	4400VA	5500VA	600VA
Nominal AC Voltage	230V L-N	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	14.4A	14.4A	14.4A	19.2A	19.2A	24A	26A
Power Factor(cosΦ)	0.8 leading ~ 0.8 lagging						
THDi	<3%						
Efficiency							
Max. Efficiency	98.1%	98.1%	98.1%	98.3%	98.3%	98.3%	98.3%
Euro Efficiency	97.7%	97.7%	97.7%	97.9%	97.9%	97.9%	97.9%
Protection devices							
DC Switch	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Anti-islanding Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Output Over Current	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DC Reverse Polarity Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
String Fault Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Surge Protection	DC: Type II / AC: Type III						
Insulation Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
AC Short Circuit Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
General Specifications							
Dimensions W x H x D	380X380X150mm						
Weight	10kg	10kg	10kg	11kg	11kg	11kg	11kg
Operating Temperature Range	-25°C~+60°C						
Cooling Type	Natural						
Max. Operation Altitude	≤4000m						
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