

BluE-G Series

Single Phase / On-grid / 5 kW



Max. PV Voltage up to 600 V
DC / AC Ratio up to 1.5



Compatible for Big Capacity PV Panel
WiFi / 4G Plug Optional



Type III DC SPD / Type III AC SPD
IP65 Protection



High Efficiency up to 98.3%
Smaller and Lighter



Anti-PID function
AFCI optional



MODEL	BluE-G 5000D-M1
Input(DC)	
Max. DC Voltage	600 V
Nominal Voltage	380 V
Start Voltage ¹⁾	120 V
MPPT Voltage Range	80 V - 560 V
Number of MPPT	2
Strings Per MPPT	1
Max. Input Current Per MPPT	15 A
Max. Short-circuit Current Per MPPT	18 A
Output(AC)	
Nominal AC Output Power	5000 W ²⁾
Max. AC Apparent Power	5500 VA ³⁾
Nominal AC Voltage	230V L-N
AC Grid Frequency Range	50Hz / 60Hz ±5Hz
Max. Output Current	24 A ⁴⁾
Power Factor (cosΦ)	0.8 leading - 0.8 lagging
THDi	< 3%
Efficiency	
Max. Efficiency	98.3%
Euro Efficiency	97.9%
Protection devices	
DC Switch	Yes
Anti-islanding Protection	Yes
Output Over Current Protection	Yes
DC Reverse Polarity Protection	Yes
String Fault Detection	Yes
DC / AC Surge Protection	DC Type III; AC Type III
Insulation Detection	Yes
AC Short Circuit Protection	Yes
AFCI Function	Optional
PID Recovery	Optional
General Specifications	
Dimensions (W x H x D)	380 x 380 x 150 mm
Weight	11 kg
Operating Temperature Range	-25°C ~+ 60°C
Cooling Type	Natural
Max. Operating Altitude	≤ 4000 m
Max. Operating Humidity	0 - 100%
AC Output Terminal Type	Quick Connector
IP Class	IP65
Topology	Transformerless
Communication	RS-485 / WIFI / 4G
Display	LCD
Certification & Standard	EN/IEC 62109-1/2; IEC/EN 61000-6-2; IEC/EN 61000-6-4; IEC 61683; IEC 60068; IEC 60529; IEC 62116; IEC 61727; EN 50549-1; AS 4777.2; NRS 097; VDE-AR-N-4105; VDE 0126-1-1; CEI 0-21; G98/G99; C10/11; UNE 217001; UNE 217002; NB/T 32004-2018; GB/T 19964-2012; INMETRO ⁵⁾

1) Minimum voltage for inverter to start power output.

2) Nominal AC output power is 4999 W for Australia and 4600 W for Germany and South Africa.

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

4) Maximum output current is 21.7 A for Australia and 20 A for Germany and South Africa.

5) For BluE-G 8000D: EN/IEC 62109-1/2; IEC/EN 61000-6-2; IEC/EN 61000-6-4; IEC 61683; IEC 60068; IEC 60529; IEC 62116; IEC 61727; INMETRO.