

# 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



MODEL	BluE-G 5000D-M1
<b>Input (DC)</b>	
Max. DC Voltage	600 V
Nominal Voltage	380 V
Start Voltage <sup>1)</sup>	120 V
MPPT Voltage Range	80 ~ 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
<b>Output (AC)</b>	
Nominal AC Output Power	5000 W
Max. AC Apparent Power	5500 VA
Nominal AC Voltage	230 V L - N
AC Grid Frequency Range	50 Hz / 60 Hz (±5 Hz)
Max. Output Current	24 A
Power Factor (cosΦ)	0.8 (Leading) ~ 0.8 (Lagging)
THDi	< 3%
<b>Efficiency</b>	
Max. Efficiency	98.3%
Euro Efficiency	97.9%
<b>Protection devices</b>	
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
<b>General Specifications</b>	
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; MEA; PEA

1 ) Minimum voltage for inverter to start power output.