



# BluE-G Series

Single Phase / On-grid / 4–8 kW



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



Type III DC SPD / Type III AC SPD  
IP65 Protection



Compatible for Big Capacity PV Panel  
WiFi Logger Standard / 4G Logger Optional



High Efficiency up to 98.1%  
Smaller and Lighter



MODEL	BluE-G 4000D-M1	BluE-G 5000D-M1	BluE-G 6000D-M1	BluE-G 8000D
<b>Input (DC)</b>				
Max. DC Voltage	600 V			
Nominal Voltage	380 V			
Start Voltage <sup>5)</sup>	120 V	120 V	120 V	100 V
MPPT Voltage Range	80 ~ 560 V	80 ~ 560 V	80 ~ 560 V	80 ~ 540 V
Number of MPPT	2			
Strings per MPPT	1			
Max. Input Current per MPPT	15 A	15 A	15 A	26 A / 16 A <sup>1)</sup>
Max. Short-circuit Current per MPPT	18 A	18 A	18 A	31 A / 19 A
<b>Output (AC)</b>				
Nominal AC Output Power	4000 W	5000 W <sup>2)</sup>	6000 W	8000 W
Max. AC Apparent Power	4400 VA	5500 VA <sup>3)</sup>	6000 VA	8000 VA
Nominal AC Voltage	230 V L-N			
AC Grid Frequency Range	50 Hz / 60 Hz (±5 Hz)			
Max. Output Current	19 A	24 A <sup>4)</sup>	26 A	35 A
THDi	-0.8 (Lagging) ~ 0.8 (Leading)			
Power Factor (cosΦ)	< 3%			
<b>Efficiency</b>				
Max. Efficiency	98.1%			
Euro Efficiency	97.5%			
<b>Protection devices</b>				
DC Switch	Yes			
Anti-islanding Protection	Yes			
Output Over Current Protection	Yes			
DC Reverse Polarity Protection	Yes			
DC / AC Surge Protection	DC Typ III; AC Typ III			
Insulation Detection	Yes			
AC Short Circuit Protection	Yes			
<b>General Specifications</b>				
Dimensions (W x H x D)	380 × 380 × 150 mm			
Weight	11 kg	11 kg	11 kg	13 kg
Operating Temperature Range	-25°C ~ +60°C			
Cooling Type	Natural convection	Natural convection	Natural convection	Fan cooling
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 / Bluetooth + App			
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;			

1) The maximum current of PV1 is 26 A , So PV1 can be expanded into two Strings by using Y-connectors.

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

3) Max. AC apparent power is 3680 VA for the UK; 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 16 A for England; Maximum output current is 21.7 A for Australia and 20 A for Germany and South Africa.

5) Minimum voltage for inverter to start power output.