

BluE-G Series

Single Phase / On-grid / 3-8 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 3600D-M1	BluE-G 4000D-M1	BluE-G 5000D-M1	BluE-G 6000D-M1	BluE-G 8000D
Input (DC)					
Max. DC Voltage	600 V				
Nominal Voltage	380 V				
Start Voltage ⁸⁾	120 V	120 V	120 V	120 V	100 V
MPPT Voltage Range	80 V ~ 560 V	80 V ~ 560 V	80 V ~ 560 V	80 V ~ 560 V	80 V ~ 540 V
Number of MPPT	2				
Strings per MPPT	1				
Max. Input Current per MPPT	15 A	15 A	15 A	15 A	26 A / 16 A ¹⁾
Max. Short-circuit Current per MPPT	18 A	18 A	18 A	18 A	31 A / 19 A
Output (AC)					
Nominal AC Output Power	3600 W	4000 W	5000 W ²⁾	6000 W	8000 W
Max. AC Apparent Power	3960 VA ³⁾	4400 VA	5500 VA ⁴⁾	6000 VA	8000 VA
Nominal AC Voltage	230V L-N				
AC Grid Frequency Range	50Hz / 60Hz ±5Hz				
Max. Output Current	17 A ⁵⁾	19 A	24 A ⁶⁾	26 A	35 A
Power Factor (cosΦ)	0.8 leading - 0.8 lagging				
THDi	< 3%				
Efficiency					
Max. Efficiency	98.1%	98.3%	98.3%	98.3%	98.3%
Euro Efficiency	97.7%	97.9%	97.9%	97.9%	97.9%
Protection devices					
DC Switch	Yes				
Anti-islanding Protection	Yes				
Output Over Current Protection	Yes				
DC Reverse Polarity Protection	Yes				
DC / AC Surge Protection	DC Type III; AC Type III				
Insulation Detection	Yes				
AC Short Circuit Protection	Yes				
General Specifications					
Dimensions (W x H x D)	380 x 380 x 150 mm				
Weight	10 kg	11 kg	11 kg	11 kg	13 kg
Operating Temperature Range	-25°C ~+ 60°C				
Cooling Type	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; INMETRO ⁷⁾				

- 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.
- 4) Max. AC apparent power is 4999 VA for Australia, 5000 VA for Belgium and 4600 VA for Germany and South Africa.
- 5) Maximum output current is 16 A for England.
- 6) Maximum output current is 21.7 A for Australia and 20 A for Germany and South Africa.
- 7) 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.
- 8) Minimum voltage for inverter to start power output.