KSTAR
Powering the Future

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.

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