BluE-G SERIES SINGLE PHASE

BluE-G 3600D-M1 / BluE-G 4000D-M1
BluE-G 5000D-M1 / BluE-G 6000D-M1
BluE-G 8000D-M1

PV On-Grid String Inverter

- Max. PV Voltage up to 600V
  DC/AC ratio up to 1.5
- Compatible for Big Capacity PV Panel
  WiFi / 4G Plug Optional
- Type II 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-M1
Input(DC)					
Max. DC Voltage	600V	600V	600V	600V	600V
Nominal Voltage	380V	380V	380V	380V	380V
Start Voltage [8]	120V	120V	120V	120V	100V
MPPT Voltage Range	80V-560V	80V-560V	80V-560V	80V-560V	80V-540V
Number of MPPT	2	2	2	2	2
Strings Per MPPT	1	1	1	1	1
Max. Input Current Per MPPT	15A	15A	15A	15A	26A/16A[1]
Max. Short-circuit Current Per MPPT	18A	18A	18A	18A	31A/19A
Output(AC)					
Nominal AC Output Power	3600W	4000W	5000W [2]	6000W	8000W
Max. AC Apparent Power	3960VA [3]	4400VA	5500VA [4]	6000VA	8000VA
Nominal AC Voltage	230V L-N	230V L-N	230V L-N	230V L-N	230V L-N
AC Grid Frequency Range	50Hz / 60Hz±5Hz				
Max. Output Current	17A[5]	19A	24A[6]	26A	35A
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	Yes	Yes	Yes	Yes
Anti-islanding Protection	Yes	Yes	Yes	Yes	Yes
Output Over Current Protection	Yes	Yes	Yes	Yes	Yes
DC Reverse Polarity Protection	Yes	Yes	Yes	Yes	Yes
String Fault Detection	Yes	Yes	Yes	Yes	Yes
DC/AC Surge Protection	DC: Type II / AC: Type III				
Insulation Detection	Yes	Yes	Yes	Yes	Yes
AC Short Circuit Protection	Yes	Yes	Yes	Yes	Yes
General Specifications					
Dimensions W x H x D	380X380X150mm				
Weight	10kg	11kg	11kg	11kg	13kg
Operating Temperature Range	-25℃~+60℃				
Cooling Type	Natural				Fan cooling
Max. Operating Altitude	≤4000m				
Max. Operating Humidity	0-100%				
AC Output Terminal Type	Quick Connector				
IP Class	IP65				
Topology	Transformer less				
Communication	RS485/WIFI/4G				
Display	LCD				
Certification & Standard	EN/IEC62109-1/2 ; IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116; IEC61727;EN50549-1;AS 4777.2;NRS 097;VDE-AR-N-4105;VDE 0126-1-1;CEI0-21;G98;G99;C10/ C11;TED749; UNE217001;UNE217002;NB/T32004-2018 ; GB/T19964-2012;INMETRO [7]				

*1. The maximum current of PV1 is 26A , So PV1 can be expanded into two Strings by using Y-connectors.
*2. Nominal AC output power is 4999W for Australia and 4600W for Germany and South Africa.
*3. Max. AC apparent power is 3680VA for the UK.
*4. Max. AC apparent power is 4999VA for Australia, 5000VA for Belgium and 4600VA for Germany and South Africa.
*5. Maximum output current is16A for England.
*6. Maximum output current is 21.7A for Australia and 20A for Germany and South Africa.
*7. For BluE-G 8000D only EN/IEC62109-1/2 ; IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727;INMETRO are available at the beginning of 2023.
*8. Minimum voltage for inverter to start power output.