

BluE-G SINGLE PHASE SERIES

BluE-G 3000S-M1

BluE-G 3000D-M1 / BluE-G 4000D-M1

BluE-G 5000D -M1 / BluE-G 6000D-M1



String Grid-Tied PV 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 3000S-M1 | BluE-G 3000D-M1 | BluE-G 4000D-M1 | BluE-G 5000D-M1 | BluE-G 6000D-M1 |
|-------------------------------------|--|-----------------|-----------------|-----------------|-----------------|
| Input(DC) | | | | | |
| Max. DC Voltage | 600V | 600V | 600V | 600V | 600V |
| Nominal Voltage | 380V | 380V | 380V | 380V | 380V |
| Start Voltage | 100V | 100V | 100V | 100V | 100V |
| MPPT Voltage Range | 80V-560V | 80V-560V | 80V-560V | 80V-560V | 80V-560V |
| Number of MPP Tracker | 1 | 2 | 2 | 2 | 2 |
| Strings Per MPP Tracker | 1 | 1 | 1 | 1 | 1 |
| Max. Input Current Per MPPT | 15A | 15A | 15A | 15A | 15A |
| Max. Short-circuit Current Per MPPT | 18A | 18A | 18A | 18A | 18A |
| Output(AC) | | | | | |
| Nominal AC Output Power | 3000W | 3000W | 4000W | 5000W | 6000W |
| Max. AC Apparent Power | 3300VA | 3300VA | 4400VA | 5500VA | 6000VA |
| AC Voltage Range | 230V L-N / -15%Un~+10%Un | | | | |
| AC Grid Frequency Range | 50Hz / 60Hz(47.5~52Hz) | | | | |
| Max. Output Current | 14.4A | 14.4A | 19A | 24A | 26A |
| Power Factor(cos ϕ) | 0.8 leading ~ 0.8 lagging | | | | |
| THDi | <3% | | | | |
| Efficiency | | | | | |
| Max. Efficiency | 98.1% | 98.1% | 98.3% | 98.3% | 98.3% |
| Euro Efficiency | 97.7% | 97.7% | 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 | Yes | Yes | Yes | Yes | Yes |
| DC Reverse Polarity Protection | Yes | Yes | Yes | Yes | Yes |
| String Fault Detection | Yes | Yes | Yes | Yes | Yes |
| 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 | 10kg | 11kg | 11kg | 11kg |
| Operating Temperature Range | -25°C~+60°C | | | | |
| Cooling Type | Natural | | | | |
| Max. Operation Altitude | ≤4000m | | | | |
| Max. Operation 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;EN/IEC62109-2;IEC/EN61000-6-1;IEC/EN61000-6-2;IEC/EN61000-6-3;IEC/EN61000-6-4;IEC/EN61000-3-2;IEC/EN61000-3-3;IEC/EN61000-3-11;IEC/EN61000-3-12;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1;VDE-AR-N-4105;VDE0126 | | | | |

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