

# BluE-G SINGLE PHASE SERIES

BluE-G 3000D/4000D/5000D/5000D-AU/6000D



## String Grid-Tied PV Inverter

BluE-G 3000D/4000D/5000D/5000D-AU/6000D

- \* Max. PV voltage up to 600V
- \* DC/AC ratio up to 1.35
- \* High efficiency up to 98.3%
- \* Smaller and lighter
- \* Compatible for big capacity PV panel
- \* Type II DC SPD/Type III AC SPD
- \* WiFi / 4G Plug optional
- \* IP65 protection

| MODEL                               | BluE-G 3000D   | BluE-G 4000D    | BluE-G 5000D    | BluE-G 5000D-AU | BluE-G 6000D    |
|-------------------------------------|--|-----------------|-----------------|-----------------|-----------------|
| <b>Input(DC)</b>                    |  |                 |                 |                 |                 |
| Max. recommended PV power           | 4050W  | 5400W           | 6750W           | 6750W           | 8100W           |
| Max. DC voltage                     | 600V   | 600V            | 600V            | 600V            | 600V            |
| Nominal voltage                     | 380V   | 380V            | 380V            | 380V            | 380V            |
| Start voltage                       | 100V   | 100V            | 100V            | 90V / 100V      | 100V            |
| MPPT voltage range                  | 80V-560V   | 80V-560V        | 80V-560V        | 80V-560V        | 80V-560V        |
| Number of MPP tracker               | 2  | 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             |
| <b>Output(AC)</b>                   |  |                 |                 |                 |                 |
| Nominal AC output power             | 3000W  | 4000W           | 5000W           | 4999W           | 6000W           |
| Max. AC apparent power              | 3300VA   | 4400VA          | 5500VA          | 4999VA          | 6000VA          |
| 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  | 50Hz / 60Hz±5Hz | 50Hz / 60Hz±5Hz | 50Hz / 60Hz±5Hz | 50Hz / 60Hz±5Hz |
| Max. output current                 | 14.5A  | 19A             | 24A             | 21.7A           | 26A             |
| Power factor (cosΦ)                 | 0.8 leading ~ 0.8 lagging  |                 |                 |                 |                 |
| THDi                                | <3%  |                 |                 |                 |                 |
| <b>Efficiency</b>                   |  |                 |                 |                 |                 |
| Max. efficiency                     | 98.1%  | 98.3%           | 98.3%           | 98.3%           | 98.3%           |
| Euro efficiency                     | 97.7%  | 97.9%           | 97.9%           | 97.9%           | 97.9%           |
| <b>Protection devices</b>           |  |                 |                 |                 |                 |
| DC switch                           | Yes  | Yes             | Yes             | No              | 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             |
| <b>General Specifications</b>       |  |                 |                 |                 |                 |
| Dimensions W x H x D (mm)           | 380X380X150  |                 |                 |                 |                 |
| Weight(kg)                          | 10   | 11              | 11              | 11              | 11              |
| 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/IEC62109-1/2 ; 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 |                 |                 |                 |                 |

\*Specifications subject to change without prior notice.

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