



## BLUE-G SERIES THREE PHASE

Blue-15KT-M1 / Blue-17KT-M1 /  
Blue-20KT-M1 / Blue-25KT-M1

## PV On-Grid String Inverter



Max. PV Voltage up to 1100V  
Type II DC / AC SPD



Compatible for Big Capacity PV Panel  
WiFi / 4G Plug Optional



DC/AC Ratio up to 2  
IP66 Protection



High Efficiency up to 98.6%  
Smaller and Lighter

| MODEL                               | BluE-15KT-M1                                                                                                                                                                                           | BluE-17KT-M1 | BluE-20KT-M1 | BluE-25KT-M1 |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|
| Input(DC)                           |                                                                                                                                                                                                        |              |              |              |
| Max. DC Voltage                     | 1100V                                                                                                                                                                                                  | 1100V        | 1100V        | 1100V        |
| Nominal Voltage                     | 620V                                                                                                                                                                                                   | 620V         | 620V         | 620V         |
| Start Voltage <sup>1</sup>          | 250V                                                                                                                                                                                                   | 250V         | 250V         | 250V         |
| MPPT Voltage Range                  | 140 V~1,000V                                                                                                                                                                                           | 140 V~1,000V | 140 V~1,000V | 140 V~1,000V |
| Number of MPPT                      | 2                                                                                                                                                                                                      | 2            | 2            | 2            |
| Strings Per MPPT                    | 2/1                                                                                                                                                                                                    | 2            | 2            | 2            |
| Max. Input Current Per MPPT         | 30A/15A                                                                                                                                                                                                | 30A          | 30A          | 30A          |
| Max. Short-circuit Current Per MPPT | 40A/20A                                                                                                                                                                                                | 40A          | 40A          | 40A          |
| Output(AC)                          |                                                                                                                                                                                                        |              |              |              |
| Nominal AC Output Power             | 15000W                                                                                                                                                                                                 | 17000W       | 20000W       | 25000W       |
| Maximum AC Output Power             | 16500VA                                                                                                                                                                                                | 18700VA      | 22000VA      | 27500VA      |
| Nominal AC Voltage                  | 400V 3L+N                                                                                                                                                                                              |              |              |              |
| AC Grid Frequency Range             | 50Hz / 60Hz(±5Hz)                                                                                                                                                                                      |              |              |              |
| Maximum Output Current              | 23.9A                                                                                                                                                                                                  | 27.1A        | 31.9A        | 39.9A        |
| Power Factor(Φ)                     | 0.8leading-0.8lagging                                                                                                                                                                                  |              |              |              |
| THDi                                | 3%                                                                                                                                                                                                     |              |              |              |
| Efficiency                          |                                                                                                                                                                                                        |              |              |              |
| Max. Efficiency                     | 98.6%                                                                                                                                                                                                  | 98.6%        | 98.6%        | 98.6%        |
| Euro Efficiency                     | 98.2%                                                                                                                                                                                                  | 98.3%        | 98.3%        | 98.3%        |
| Protection Devices                  |                                                                                                                                                                                                        |              |              |              |
| DC Switch                           | Yes                                                                                                                                                                                                    |              |              |              |
| Output Over Current Protection      | Yes                                                                                                                                                                                                    |              |              |              |
| Anti-islanding Protection           | Yes                                                                                                                                                                                                    |              |              |              |
| DC Reverse Polarity Protection      | Yes                                                                                                                                                                                                    |              |              |              |
| String Fault Detection              | Yes                                                                                                                                                                                                    |              |              |              |
| DC/AC Surge Protection              | DC: Type II / AC: Type III / Type II Optional                                                                                                                                                          |              |              |              |
| Insulation Detection                | Yes                                                                                                                                                                                                    |              |              |              |
| AC Short Circuit Protection         | Yes                                                                                                                                                                                                    |              |              |              |
| General Specifications              |                                                                                                                                                                                                        |              |              |              |
| Dimensions W x H x D                | 380x483x193mm                                                                                                                                                                                          |              |              |              |
| Weight                              | 20.7kg                                                                                                                                                                                                 |              |              |              |
| Operating Temperature Range         | -25℃~-+60℃                                                                                                                                                                                             |              |              |              |
| Cooling Type                        | Fan Cooling                                                                                                                                                                                            |              |              |              |
| Max. Operating Altitude             | 4000m                                                                                                                                                                                                  |              |              |              |
| Max. Operating Humidity             | 0-100%(No Condensation)                                                                                                                                                                                |              |              |              |
| AC Output Terminal Type             | Connector                                                                                                                                                                                              |              |              |              |
| IP Class                            | IP66                                                                                                                                                                                                   |              |              |              |
| 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;VDE-AR-N-4105;VDE 0126-1-1;CEI0-21;G98;G99;C10/C11,NB/T32004-2018 ; GB/T19964-2012 |              |              |              |

\* Specifications subject to change without prior notice.  
1. Minimum voltage for inverter to start power output.