



| MODEL                               | BluE-3KT-M1                                                                                                                                                                                                       | BluE-4KT-M1 | BluE-5KT-M1 | BluE-6KT-M1                                   | BluE-8KT-M1 | BluE-10KT-M1           | BluE-12KT-M1 |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-----------------------------------------------|-------------|------------------------|--------------|
| Input(DC)                           |                                                                                                                                                                                                                   |             |             |                                               |             |                        |              |
| Max. DC Voltage                     |                                                                                                                                                                                                                   |             |             | 1100 V                                        |             |                        |              |
| Nominal Voltage                     |                                                                                                                                                                                                                   |             |             | 650 V                                         |             |                        |              |
| Start Voltage <sup>1)</sup>         |                                                                                                                                                                                                                   |             |             | 250 V                                         |             |                        |              |
| MPPT Voltage Range                  |                                                                                                                                                                                                                   |             |             | 140 V ~ 1000 V                                |             |                        |              |
| Number of MPPT                      |                                                                                                                                                                                                                   |             |             | 2                                             |             |                        |              |
| Strings Per MPPT                    |                                                                                                                                                                                                                   |             |             | 1                                             |             |                        |              |
| Max. Input Current Per MPPT         |                                                                                                                                                                                                                   |             |             | 15 A                                          |             |                        |              |
| Max. Short-circuit Current Per MPPT |                                                                                                                                                                                                                   |             |             | 20 A                                          |             |                        |              |
| Output(AC)                          |                                                                                                                                                                                                                   |             |             |                                               |             |                        |              |
| Nominal AC Output Power             | 3000 W                                                                                                                                                                                                            | 4000 W      | 5000 W      | 6000 W                                        | 8000 W      | 10000 W                | 12000 W      |
| Maximum AC Output Power             | 3300 VA                                                                                                                                                                                                           | 4400 VA     | 5500 VA     | 6600 VA                                       | 8800 VA     | 11000 VA <sup>2)</sup> | 13200 VA     |
| Nominal AC Voltage                  | 400 V 3L+N                                                                                                                                                                                                        |             |             |                                               |             |                        |              |
| AC Grid Frequency Range             | 50 / 60Hz (±5Hz)                                                                                                                                                                                                  |             |             |                                               |             |                        |              |
| Maximum Output Current              | 4.8 A                                                                                                                                                                                                             | 6.4 A       | 8.0 A       | 9.6 A                                         | 12.8 A      | 16.0 A <sup>2)</sup>   | 19.2A        |
| Power Factor(Φ)                     | 0.8 leading - 0.8 lagging                                                                                                                                                                                         |             |             |                                               |             |                        |              |
| THDi                                | 3%                                                                                                                                                                                                                |             |             |                                               |             |                        |              |
| Efficiency                          |                                                                                                                                                                                                                   |             |             |                                               |             |                        |              |
| Max. Efficiency                     | 98.4%                                                                                                                                                                                                             | 98.4%       | 98.4%       | 98.4%                                         | 98.6%       | 98.6%                  | 98.6%        |
| Euro Efficiency                     | 97.5%                                                                                                                                                                                                             | 97.5%       | 97.5%       | 97.5%                                         | 98.0%       | 98.1%                  | 98.1%        |
| 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                |                                                                                                                                                                                                                   |             |             | 380 x 483 x 161 mm                            |             |                        |              |
| Weight                              |                                                                                                                                                                                                                   |             |             | < 17 kg                                       |             |                        |              |
| Operating Temperature Range         |                                                                                                                                                                                                                   |             |             | -25°C ~+ 60°C                                 |             |                        |              |
| Cooling Type                        |                                                                                                                                                                                                                   |             |             | Natural cooling                               |             |                        |              |
| Max. Operating Altitude             |                                                                                                                                                                                                                   |             |             | 4000 m                                        |             |                        |              |
| Max. Operating Humidity             |                                                                                                                                                                                                                   |             |             | 0 - 100% (No condensation)                    |             |                        |              |
| AC Output Terminal Type             |                                                                                                                                                                                                                   |             |             | Connector                                     |             |                        |              |
| IP Class                            |                                                                                                                                                                                                                   |             |             | IP66                                          |             |                        |              |
| Topology                            |                                                                                                                                                                                                                   |             |             | Transformer - less                            |             |                        |              |
| Communication                       |                                                                                                                                                                                                                   |             |             | RS-485 / Wifi / 4G                            |             |                        |              |
| Display                             |                                                                                                                                                                                                                   |             |             | LCD                                           |             |                        |              |
| Certification & Standard            | EN/IEC 62109-1/2; IEC/EN 61000-6-2; IEC/EN6 1000-6-4; IEC 61683; IEC 60068; IEC 60529; IEC 62116; IEC 61727; EN 50549-1; VDE-AR-N-4105; VDE 0126-1-1; CEI 0-21; G98/G99; C10/11; NB/T 32004-2018; GB/T 19964-2012 |             |             |                                               |             |                        |              |

1) Minimum voltage for inverter to start power output.

2) According to the C10/11 of Synergrid, the maximum AC output power is 10 kVA and therefore the maximum AC output current is 14.5A.

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