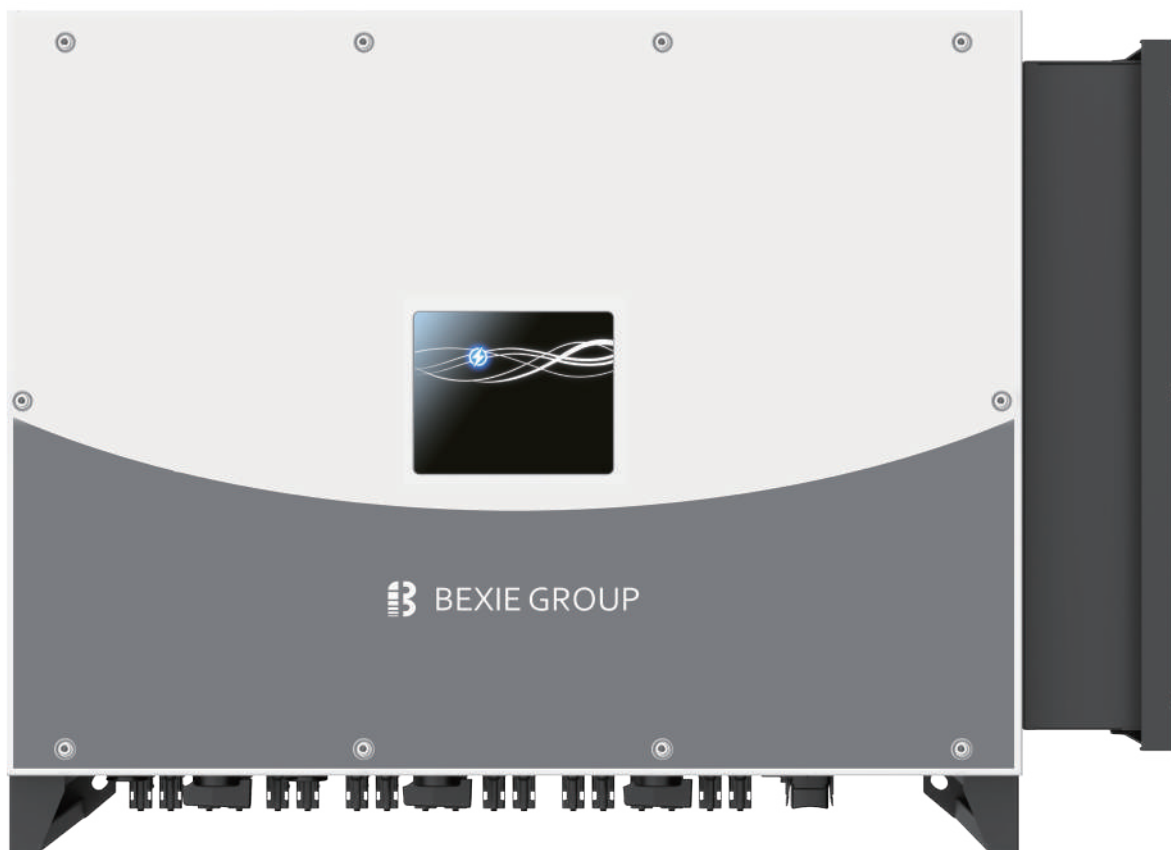


Application: Commercial & Industrial Sites



# BE100-110KW-3PG

100kW/110kW



Remote monitoring, configuration and upgrade



Compatible with large PV modules



Replaceable DC&AC Type II SPC protection



Quick commissioning via mobile APP



IP66 protection for outdoor application



9 MPPTs with 150% DC overload



Maximum efficiency up to 98.8%



Optional: AFCI, Night SVG, I/V detection and integrated PID



# BE100-110KW-3PG

## 100kW/110kW

| Model                        | BE100KW-3PG |                                                                                | BE110KW-3PG |             |
|------------------------------|-------------|--------------------------------------------------------------------------------|-------------|-------------|
| Efficiency                   |             |                                                                                |             |             |
| Max. Efficiency              |             | 98.5%                                                                          |             | 98.8%       |
| European Efficiency          |             | 98.0%                                                                          |             | 98.4%       |
| Input (PV)                   |             |                                                                                |             |             |
| Max. Input Voltage           |             | 1100V                                                                          |             |             |
| Max. PV Configuration (STC)  |             | 150%                                                                           |             |             |
| Rated Input Voltage          |             | 620V                                                                           |             |             |
| Max. Input Current           |             | 3*40A+5*32A                                                                    |             | 3*40A+6*32A |
| Max.Short Circuit Current    |             | 3*50A+5*45A                                                                    |             | 3*50A+6*45A |
| Start Input Voltage          |             | 250V/200V                                                                      |             |             |
| MPPT Operating Voltage Range |             | 200V-1000V                                                                     |             |             |
| Max. Number of PV Strings    |             | 16 (8*2)                                                                       |             | 18 (9*2)    |
| No. of MPPTs                 |             | 8                                                                              |             | 9           |
| Output (Grid)                |             |                                                                                |             |             |
| Rated AC Active Power        |             | 100,000W                                                                       |             | 110,000W    |
| Max. AC Apparent Power       |             | 111,000VA                                                                      |             | 123,000VA   |
| Max. AC Output Current       |             | 3*168.8A                                                                       |             | 3*187A      |
| Rated AC Voltage             |             | 400V, 3W+N+PE or 3W+PE                                                         |             |             |
| AC Voltage Range①            |             | 320V-520V (Adjustable)                                                         |             |             |
| Rated Grid Frequency         |             | 50Hz/60Hz                                                                      |             |             |
| Grid Frequency Range②        |             | 45Hz-55Hz/55Hz-65Hz (Adjustable)                                               |             |             |
| THDI                         |             | <3% (Rated Power)                                                              |             |             |
| DC Current Injection         |             | <0.5%In                                                                        |             |             |
| Power Factor                 |             | >0.99 Rated power (Adjustable 0.8 LD-0.8 LG)                                   |             |             |
| Protection                   |             |                                                                                |             |             |
| DC Switch                    |             | Yes                                                                            |             |             |
| Anti-Islanding Protection    |             | Yes                                                                            |             |             |
| AC Overcurrent Protection    |             | Yes                                                                            |             |             |
| AC Short Circuit Protection  |             | Yes                                                                            |             |             |
| DC Reverse Protection        |             | Yes                                                                            |             |             |
| Surge Arrester               |             | DC Type II/AC Type II                                                          |             |             |
| Insulation Detection         |             | Yes                                                                            |             |             |
| Leakage Current Protection   |             | Yes                                                                            |             |             |
| AFCI                         |             | Optional                                                                       |             |             |
| PID Recovery                 |             | Optional                                                                       |             |             |
| PV String Monitoring         |             | Yes                                                                            |             |             |
| Consumption Monitoring       |             | Optional                                                                       |             |             |
| General                      |             |                                                                                |             |             |
| Topology                     |             | Transformerless                                                                |             |             |
| IP Rating                    |             | IP66                                                                           |             |             |
| Night Self Consumption       |             | <10W (Standard)                                                                |             |             |
| Cooling                      |             | Fan cooling                                                                    |             |             |
| Operating Temperature Range  |             | -25°C-60°C                                                                     |             |             |
| Relative Humidity Range      |             | 0-100%                                                                         |             |             |
| Max. Operating Altitude      |             | 4000m                                                                          |             |             |
| Dimensions (W*H*D)           |             | 936mm*678mm*365mm                                                              |             |             |
| Weight                       |             | 91.5Kg                                                                         |             | 92Kg        |
| HMI & COM                    |             |                                                                                |             |             |
| Display                      |             | Wireless & APP+LED, LCD (Optional)                                             |             |             |
| Communication                |             | RS 485, Optional: WiFi/GPRS/LAN                                                |             |             |
| Certification                |             |                                                                                |             |             |
| Safety                       |             | IEC 62109-1, IEC 62109-2                                                       |             |             |
| Grid Code                    |             | EN 50549-1/-2, IEC 61727/62116, VDE-AR-N 4105, UNE 206006/206007-1, UNE 217001 |             |             |
| Warranty                     |             | 10 Years (Optional)                                                            |             |             |

Remarks: • ①② The range of output voltage and frequency may vary depending on different grid codes.  
• Specifications are subject to change without advanced notice.