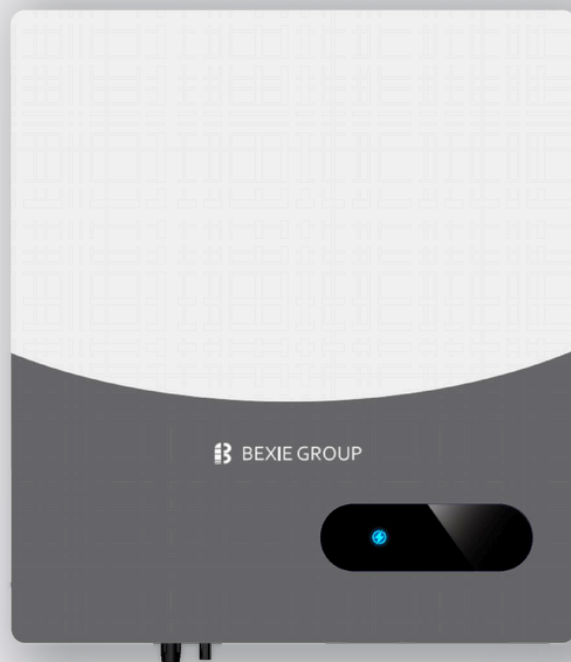


# BE-7-8-10KW-1PG

## GRID-TIED INVERTERS/SINGLE-PHASE

**Application: Residential Use**



- ✓ Maximum efficiency of 98.2%
- ✓ High compatibility: supports high-current PV modules and a wide voltage range.
- ✓ High reliability: IP65 protection with optional Type II SPD and AFCI function.
- ✓ Intelligent maintenance: monitoring, remote configuration, and quick commissioning via app.
- ✓ Multiple I/O and communication options.



# BE-7-8-10KW-1PG

## GRID-TIED INVERTERS/SINGLE-PHASE

| Model                          | BE 7KW-1PG | BE 8KW-1PG                                   | BE 10KW-1PG |
|--------------------------------|------------|----------------------------------------------|-------------|
| Efficiency                     |            |                                              |             |
| Max. Efficiency                |            | 98.2%                                        |             |
| European Efficiency            |            | 97.5%                                        |             |
| Input (PV)                     |            |                                              |             |
| Max. Input Voltage             |            | 550V                                         |             |
| Max. PV Configuration (STC)    |            | 150%                                         |             |
| Rated Input Voltage            |            | 360V                                         |             |
| Max. Input Current             | 20A/20A    |                                              | 20A/30A     |
| Max. Short Circuit Current     | 26A/26A    |                                              | 26A/40A     |
| Start Input Voltage            |            | 90V                                          |             |
| MPPT Operating Voltage Range   |            | 60V-540V                                     |             |
| Max. Number of PV Strings      | 1/1        |                                              | 1/2         |
| No. of MPPTs                   |            | 2                                            |             |
| Output (Grid)                  |            |                                              |             |
| Rated AC Active Power          | 7,000W     | 8,000W                                       | 10,000W     |
| Max. AC Apparent Power         | 7,700VA    | 8,800VA                                      | 10,000VA    |
| Max. AC Output Current         | 35A        | 40A                                          | 45.5A       |
| Rated AC Voltage               |            | 220V/230V, L+N+PE                            |             |
| AC Voltage Range <b>1*</b>     |            | 160V-300V (Adjustable)                       |             |
| Rated Grid Frequency           |            | 50Hz/60Hz                                    |             |
| Grid Frequency Range <b>2*</b> |            | 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) |             |

Remarks: 1. The range of output voltage and frequency may vary depending on different grid codes.  
2. Specifications are subject to change without advanced notice.



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Silvota, 33192, Llanera, Asturias



# BE-7-8-10KW-1PG

## GRID-TIED INVERTERS/SINGLE-PHASE

| Model                       | BE 7KW-1PG                                                      | BE 8KW-1PG                                                                                                                              | BE 10KW-1PG |
|-----------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 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 III (Type II optional) / AC Type III (Type II optional) |                                                                                                                                         |             |
| Insulation Detection        |                                                                 | Yes                                                                                                                                     |             |
| Leakage Current Protection  |                                                                 | Yes                                                                                                                                     |             |
| General                     |                                                                 |                                                                                                                                         |             |
| Topology                    |                                                                 | Transformerless                                                                                                                         |             |
| IP Rating                   |                                                                 | IP65                                                                                                                                    |             |
| Night Self Consumption      |                                                                 | <1W (Standard)                                                                                                                          |             |
| Cooling                     |                                                                 | Natural Cooling                                                                                                                         |             |
| Operating Temperature Range |                                                                 | -25°C-60°C                                                                                                                              |             |
| Relative Humidity Range     |                                                                 | 0-100%                                                                                                                                  |             |
| Max. Operating Altitude     |                                                                 | 4000m                                                                                                                                   |             |
| Dimensions (W*H*D)          |                                                                 | 400mm*450mm*170mm                                                                                                                       |             |
| Weight                      |                                                                 | 16Kg                                                                                                                                    |             |
| HMI & COM                   |                                                                 |                                                                                                                                         |             |
| Display                     |                                                                 | Wireless & APP+LED, LCD (Optional)                                                                                                      |             |
| Communication               |                                                                 | Optional: WiFi/GPRS/RS485/LAN                                                                                                           |             |
| Certification               |                                                                 |                                                                                                                                         |             |
| Safety                      |                                                                 | IEC62109-1, IEC62109-2                                                                                                                  |             |
| Grid Code                   |                                                                 | DE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206001/206002-1, IEC 61727/62116, ORDINANCE n°140 2022, IEEE 1547, UL 1741, AS 4777, VDE 0126-1 |             |
| Warranty                    |                                                                 | 10 Years                                                                                                                                |             |



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