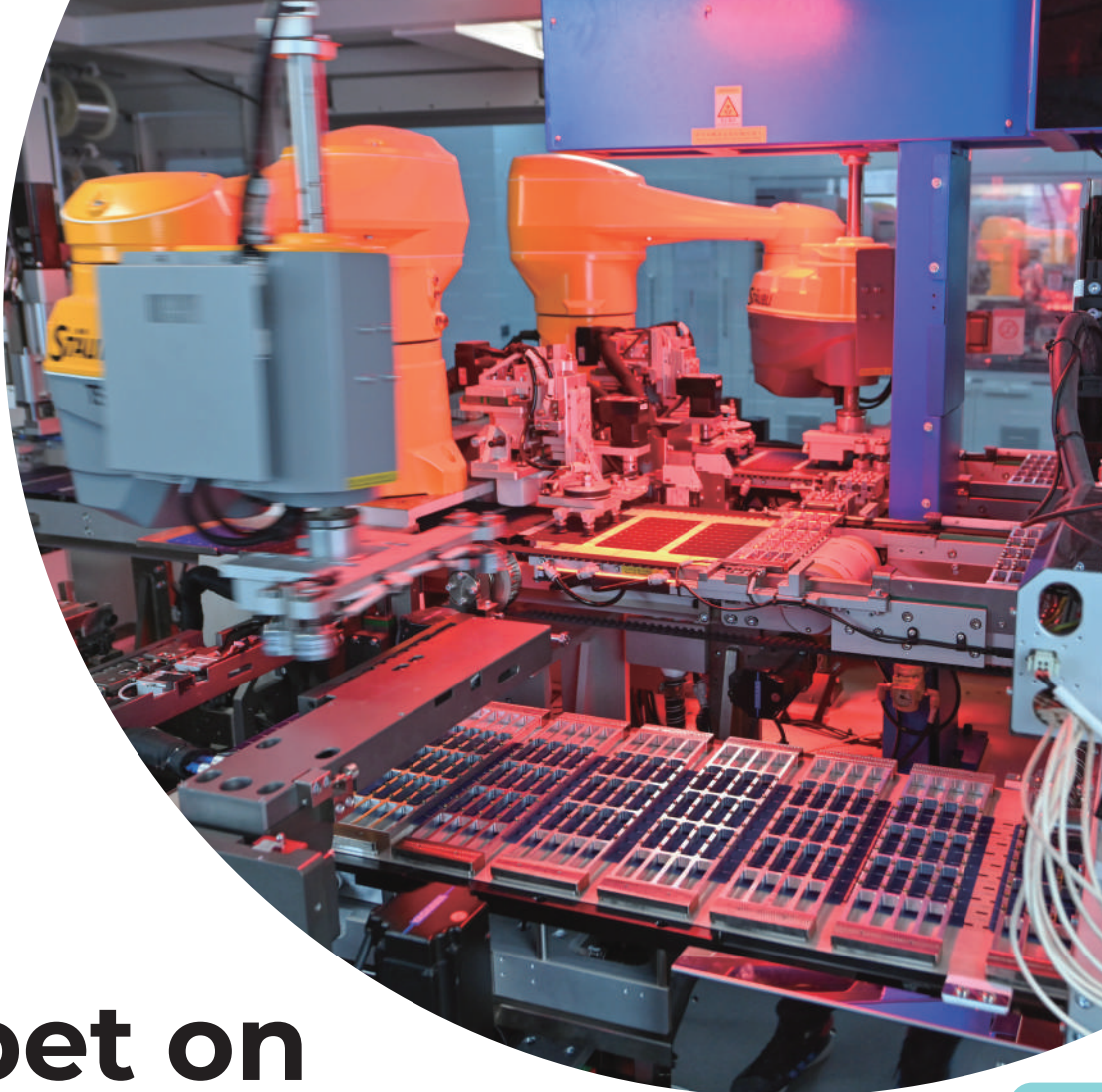




# Build your own green energy.

*One-stop Solar and ESS Solutions provider*





# We bet on the future!

02

At **BEXIE GROUP** we believe in innovation and have solar photovoltaic energy as a business engine. We are specialized in the design, manufacture and distribution of high quality power electronics and photovoltaic products.

We develop efficient and environmentally friendly energy solutions, with the clear objective of providing high quality products that contribute to the transition towards renewable and clean energy sources, helping both businesses and households to harness the resources that the sun brings to us to generate electricity in a sustainable.

## One-stop solar and ESS Solution provider.

Committed to developing new business lines in the energy storage sector, through the manufacture of high-quality products and comprehensive solutions.

|                                                                                     |                                           |    |
|-------------------------------------------------------------------------------------|-------------------------------------------|----|
|    | Generate solar power with us!             | 04 |
|  | Solar storage for when you need it        | 19 |
|  | Charge your life with solar energy        | 26 |
|  | New technology in Solar Kit               | 30 |
|  | Energy-efficient system for heating water | 32 |





# Generate solar power with us!

04

At **BEXIE GROUP** we offer energy solutions designed for the whole family, focusing on helping to reduce costs and eliminate worries. We adapt to each need and specific problem, providing a personalized service that optimizes energy consumption and improves efficiency in the home .

With our support, you can enjoy a more sustainable and economical environment without complications.

## How to produce your own energy.

Our home energy solution allows you to generate electricity with your own photovoltaic system.

The unused electricity is automatically injected into the system for future use. Discover in our brochure [com](#) you can generate energy independently.

## Benefict

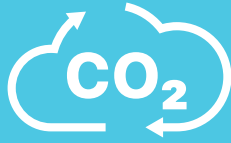
- Own installation, 100% customized
- Maximum performance
- Support for both local and remote communitation
- Fast charging



/ Make it possible with us!



Progressive increase  
of your energy saving.



Solution to take care  
of the planet.



Protection IP65  
outdoor and indoor.



System design  
adapted to your home.

*\*Any of our products meets the corresponding quality measures.*



## Optimize for domestic use.

Our hybrid inverters are the start of our energy storage system.

Converts the continuous energy received by our photovoltaic modules in the house into high current for domestic use.  
Benefit from all the integrated software functions in our hybrid inverters.



05

## Anytime, anywhere... Remote monitoring platform.

Now it's time to present our monitor system performance in real time via smartphone APP or web portal using our advanced monitoring platform.



# Bexie series

Our range of inverters, includes three-phase, single-phase hybrid and grid-tied models. All are designed with cutting-edge technology that maximizes performance and reliability.

Each Bexie Group inverter is optimized to provide sustainable solutions tailored to our customers' needs, ensuring a constant and efficient power supply.

## Hybrid Inverters / Application: Residential



BE3.6-6KW-1PH  
3.6 - 6kW



BE5-10KW-3PH  
5 - 10kW



BE12-30KW-3PH  
12 - 30kW

06

## Grid-tied Inverters / Application: Commercial & Industrial Places



BE30-50KW-3PG  
30-50kW



BE100-110KW-3PG  
100-110kW



BXM 600-1000  
600-1.000W

Network and isolated design



Nominated for the 2024 Solar  
Innovation Awards

## ANYTIME, ANYWHERE REMOTE MONITORING PLATFORM

Monitor system performance in real-time via smartphone APP or Web portal using our advanced monitoring platform.



07

# 1PH-Hybrid Inverter

3.6kW/4.6kW/5.0KW/6.0kW



Fast charging or discharging  
up to 120A



Fanless cooling design, long  
lifespan and quiet performance



Seamless transition to backup  
mode, <10 ms UPS-level switching



Parallel connection up to 9



IP65 outdoor and indoor application



Feed-in limitation function (zero export)



PV system oversizing up to 9KW



Support for both local and remote  
communication





# 1PH-Hybrid Inverter

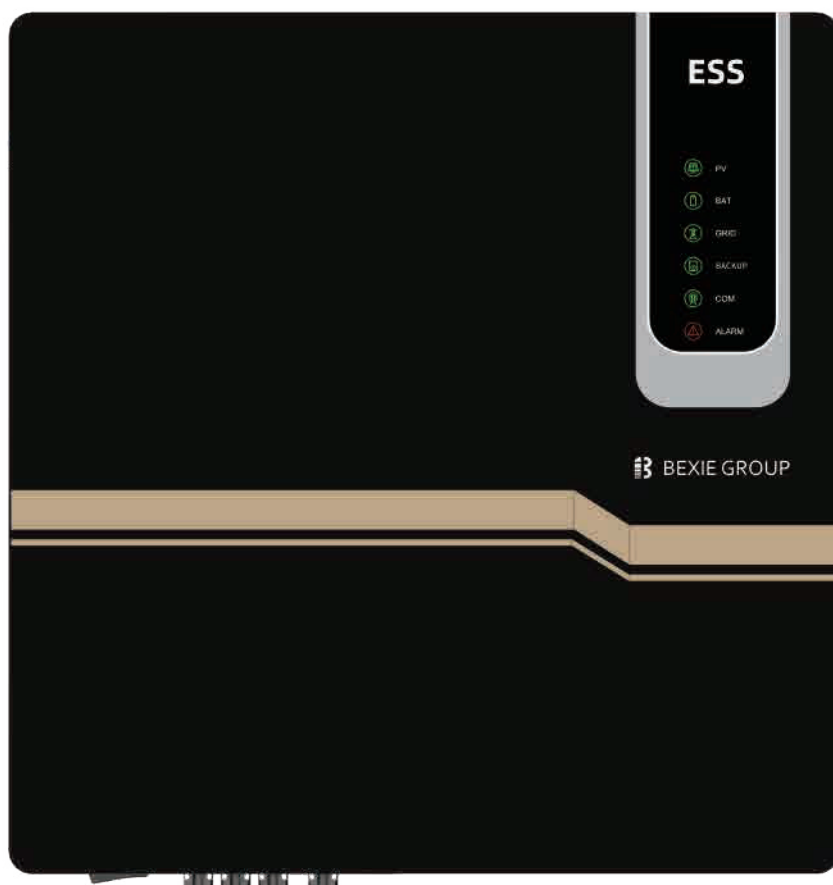
3.6kW/4.6kW/5.0kW/6.0kW

| Model                               | BE3.6KW-1PH   | BE4.6KW-1PH                                                                      | BE5KW-1PH     | BE6KW-1PH     |
|-------------------------------------|---------------|----------------------------------------------------------------------------------|---------------|---------------|
| <strong>Efficiency</strong>         |               |                                                                                  |               |               |
| Max. Efficiency (PV to AC)          |               | 97.3%                                                                            |               |               |
| Max. Efficiency (BAT to AC)         |               | 94.3%                                                                            |               |               |
| Euro. Efficiency (PV to AC)         |               | 96.8%                                                                            |               |               |
| <strong>Input (PV)</strong>         |               |                                                                                  |               |               |
| Max. PV Input Power                 | 6,300W        |                                                                                  | 9,000W        |               |
| Max. PV Voltage                     |               | 550V                                                                             |               |               |
| Start-up Voltage                    |               | 90V                                                                              |               |               |
| MPPT Voltage Range                  |               | 70V-540V                                                                         |               |               |
| Max. Input Current                  |               | 15A/15A                                                                          |               |               |
| Max. Short Circuit Current          |               | 20A/20A                                                                          |               |               |
| Nos. Of MPPT                        |               | 2                                                                                |               |               |
| String per MPPT                     |               | 1/1                                                                              |               |               |
| <strong>Input/Output (BAT)</strong> |               |                                                                                  |               |               |
| Battery Type                        |               | Lithium-ion/Lead-acid                                                            |               |               |
| Nominal Battery Voltage             |               | 48V                                                                              |               |               |
| Battery Voltage Range               |               | 40V-65V                                                                          |               |               |
| Max. Charge/Discharge Current       | 60A/60A       | 120A/120A                                                                        | 120A/120A     | 120A/120A     |
| Max. Charge/Discharge Power         | 3,000W/3,000W | 6,000W/6,000W                                                                    | 6,000W/6,000W | 6,000W/6,000W |
| <strong>Output (Grid)</strong>      |               |                                                                                  |               |               |
| Nominal AC Output Power             | 3,600W        | 4,600W                                                                           | 5,000W        | 6,000W        |
| Max. AC Apparent Power              | 3,960VA       | 4,600VA                                                                          | 5,500VA       | 6,000VA       |
| Max. AC Output Power (PF=1)         | 3,960W        | 4,600W                                                                           | 5,500W        | 6,000W        |
| Max. AC Output Current              | 18A           | 22A                                                                              | 25A           | 27.2A         |
| Nominal Grid Voltage                |               | 220V/230V/240V, L+N+PE                                                           |               |               |
| Grid Voltage Range                  |               | 150V-300V (Adjustable)                                                           |               |               |
| Nominal Grid Frequency              |               | 50Hz/60Hz                                                                        |               |               |
| Grid Frequency Range                |               | 45Hz-55Hz/55Hz-65Hz (Adjustable)                                                 |               |               |
| Power Factor                        |               | >0.99 @rated power (Adjustable 0.8 LD-0.8 LG)                                    |               |               |
| THDI                                |               | <3% (Rated Power)                                                                |               |               |
| <strong>Output (Back up)</strong>   |               |                                                                                  |               |               |
| Nominal Output Power                | 3,000W        | 4,600W                                                                           | 5,000W        | 6,000W        |
| Nominal Output Current              | 13A           | 20A                                                                              | 21.7A         | 26A           |
| Peak Power (>1s)                    | 4,500VA       | 6,900VA                                                                          | 7,500VA       | 9,000VA       |
| Nominal Output Voltage              |               | 220V/230V/240V, L+N+PE                                                           |               |               |
| Nominal Output Frequency            |               | 50Hz/60Hz                                                                        |               |               |
| Transfer Time                       |               | <10ms                                                                            |               |               |
| THDV                                |               | <3%@100%R Load                                                                   |               |               |
| <strong>Protection</strong>         |               |                                                                                  |               |               |
| Protection Category                 |               | Class I                                                                          |               |               |
| DC Switch                           |               | Yes                                                                              |               |               |
| Anti-islanding Protection           |               | Yes                                                                              |               |               |
| AC Over Current Protection          |               | Yes                                                                              |               |               |
| AC Over Voltage Protection          |               | Yes                                                                              |               |               |
| AC Short Circuit Protection         |               | Yes                                                                              |               |               |
| DC Reverse Protection               |               | Yes                                                                              |               |               |
| Surge Arrester                      |               | DC Type III, AC Type III                                                         |               |               |
| PV Insulation Detection             |               | Yes                                                                              |               |               |
| Leakage Current Protection          |               | Yes                                                                              |               |               |
| <strong>General</strong>            |               |                                                                                  |               |               |
| Max.Operation Altitude              |               | 4000m (>2000m derating)                                                          |               |               |
| Protection Degree                   |               | IP65                                                                             |               |               |
| Operating Temperature Range         |               | -25~60°C (>45°C derating)                                                        |               |               |
| Relative Humidity                   |               | 0~100%                                                                           |               |               |
| Cooling                             |               | Natural Cooling                                                                  |               |               |
| Mounting                            |               | Wall bracket                                                                     |               |               |
| Dimensions (W*H*D)                  |               | 570mm*495mm*175mm                                                                |               |               |
| Weight                              | 20kg          |                                                                                  | 25kg          |               |
| PV Connection                       |               | MC4/H4                                                                           |               |               |
| Battery Connection                  |               | Dedicated DC connector                                                           |               |               |
| AC Connection                       |               | Dedicated AC connector                                                           |               |               |
| <strong>HMI &amp; COM</strong>      |               |                                                                                  |               |               |
| Display                             |               | LED+APP                                                                          |               |               |
| Communication Interface             |               | RS485/CAN (for BMS), RS485, USB, DRM/RS485 (for Meter), Optional: Wi-Fi/GPRS/LAN |               |               |
| <strong>Certification</strong>      |               |                                                                                  |               |               |
| Grid                                |               | IEC 61727, EN 50549-1, G99, CEI 0-21, RD1699/661/647/413, NTS, UNE 217001        |               |               |
| Safety and EMC                      |               | IEC 62109-1/2, EN 62109-1/2, IEC 61000                                           |               |               |
| Warranty                            |               | 10 Years                                                                         |               |               |

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

## ANYTIME, ANYWHERE REMOTE MONITORING PLATFORM

Monitor system performance in real-time via smartphone APP or Web portal using our advanced monitoring platform.



09

# 3PH-Hybrid Inverter

5kW/6kW/8kW/10kW



Fast charging or discharging  
up to 50A



Fanless cooling design, long  
lifespan and quiet performance



Seamless transition to backup  
mode, <10 ms UPS-level switching



Parallel connection up to 9 units



IP65 outdoor and indoor application



Feed-in limitation function (zero export)



PV system oversizing up to 15kW



Support for both local and remote  
communication



# 3PH-Hybrid Inverter

5kW/6kW/8kW/10kW

| Model                         | BE5KW-3PH                                                                                   |  | BE6KW-3PH      |  | BE8KW-3PH       |  | BE10KW-3PH       |  |
|-------------------------------|---------------------------------------------------------------------------------------------|--|----------------|--|-----------------|--|------------------|--|
| Efficiency                    |                                                                                             |  |                |  |                 |  |                  |  |
| Max. Efficiency (PV to AC)    | 98.2%                                                                                       |  |                |  | 98.4%           |  |                  |  |
| Max. Efficiency (BAT to AC)   |                                                                                             |  |                |  | 97.9%           |  |                  |  |
| Euro. Efficiency (PV to AC)   | 97.2%                                                                                       |  |                |  | 97.9%           |  |                  |  |
| Input (PV)                    |                                                                                             |  |                |  |                 |  |                  |  |
| Max. PV Input Power           | 9,000W                                                                                      |  |                |  | 15,000W         |  |                  |  |
| Max. PV Voltage               |                                                                                             |  |                |  | 1,000V          |  |                  |  |
| Start-up Voltage              |                                                                                             |  |                |  | 150V            |  |                  |  |
| MPPT Voltage Range            |                                                                                             |  |                |  | 160V-950V       |  |                  |  |
| Max. Input Current            | 15A/15A                                                                                     |  |                |  | 20A/30A         |  |                  |  |
| Max. Short Circuit Current    | 20A/20A                                                                                     |  |                |  | 30A/40A         |  |                  |  |
| Nos. Of MPPT                  |                                                                                             |  |                |  | 3               |  |                  |  |
| String per MPPT               | 1/1                                                                                         |  |                |  | 1/2             |  |                  |  |
| Input/Output (BAT)            |                                                                                             |  |                |  |                 |  |                  |  |
| Battery Type                  | Lithium-ion/Lead-acid                                                                       |  |                |  |                 |  |                  |  |
| Nominal Battery Voltage       | 250V-600V                                                                                   |  |                |  |                 |  |                  |  |
| Battery Voltage Range         | 150V-600V                                                                                   |  |                |  |                 |  |                  |  |
| Max. Charge/Discharge Current | 25A/25A                                                                                     |  | 25A/25A        |  | 50A/50A         |  | 50A/50A          |  |
| Max. Charge/Discharge Power   | 9,000W /5,800W                                                                              |  | 9,000W /7,000W |  | 15,000W /9,100W |  | 15,000W /11,300W |  |
| Output (Grid)                 |                                                                                             |  |                |  |                 |  |                  |  |
| Nominal AC Output Power       | 5,000W                                                                                      |  | 6,000W         |  | 8,000W          |  | 10,000W          |  |
| Max. AC Apparent Power        | 5,500VA                                                                                     |  | 6,600VA        |  | 8,800VA         |  | 11,000VA         |  |
| Max. AC Output Power (PF=1)   | 5,500W                                                                                      |  | 6,000W         |  | 8,800W          |  | 11,000W          |  |
| Max. AC Output Current        | 3*8.3A                                                                                      |  | 3*10A          |  | 3*13.3A         |  | 3*16.7A          |  |
| Max. Single Phase Power       | 2,500W                                                                                      |  | 3,000W         |  | 4,000W          |  | 5,000W           |  |
| Max. Input Power              | 15,000VA                                                                                    |  |                |  |                 |  |                  |  |
| Max. Input Current            | 3*25A                                                                                       |  |                |  |                 |  |                  |  |
| Rated Grid Voltage            | 380V/400V/415V, 3W+N+PE                                                                     |  |                |  |                 |  |                  |  |
| Grid Voltage Range            | 260V-520V (Adjustable)                                                                      |  |                |  |                 |  |                  |  |
| Rated Grid Frequency          | 50Hz/60Hz                                                                                   |  |                |  |                 |  |                  |  |
| Grid Frequency Range          | 45Hz-55Hz/55Hz-65Hz (Adjustable)                                                            |  |                |  |                 |  |                  |  |
| Power Factor                  | >0.99 @rated power (Adjustable 0.8 LD-0.8 LG)                                               |  |                |  |                 |  |                  |  |
| THDI                          | <5% (Rated Power)                                                                           |  |                |  |                 |  |                  |  |
| Output (Back up)              |                                                                                             |  |                |  |                 |  |                  |  |
| Nominal Output Power          | 5,000W                                                                                      |  | 6,000W         |  | 8,000W          |  | 10,000W          |  |
| Nominal Output Current        | 3*7.6A                                                                                      |  | 3*9.1A         |  | 3*12.2A         |  | 3*15.2A          |  |
| Max. Single Phase Power       | 2,500W                                                                                      |  | 3,000W         |  | 4,000W          |  | 5,000W           |  |
| Peak Power (5min)             | 6,000VA                                                                                     |  | 7,200VA        |  | 9,600VA         |  | 12,000VA         |  |
| Peak Power (10s)              | 7,500VA                                                                                     |  | 9,000VA        |  | 12,000VA        |  | 15,000VA         |  |
| Nominal Output Voltage        | 380V/400V/415V, 3W+N+PE                                                                     |  |                |  |                 |  |                  |  |
| Nominal Output Frequency      | 50Hz/60Hz                                                                                   |  |                |  |                 |  |                  |  |
| Transfer Time                 | <10ms                                                                                       |  |                |  |                 |  |                  |  |
| THDV                          | <3% (R Load)                                                                                |  |                |  |                 |  |                  |  |
| Protection                    |                                                                                             |  |                |  |                 |  |                  |  |
| Protection Category           | Class I                                                                                     |  |                |  |                 |  |                  |  |
| DC Switch                     | Yes                                                                                         |  |                |  |                 |  |                  |  |
| Anti-islanding Protection     | Yes                                                                                         |  |                |  |                 |  |                  |  |
| AC Over Current Protection    | Yes                                                                                         |  |                |  |                 |  |                  |  |
| AC Over Voltage Protection    | Yes                                                                                         |  |                |  |                 |  |                  |  |
| AC Short Circuit Protection   | Yes                                                                                         |  |                |  |                 |  |                  |  |
| DC Reverse Protection         | Yes                                                                                         |  |                |  |                 |  |                  |  |
| SPD                           | DC Type II, AC Type II                                                                      |  |                |  |                 |  |                  |  |
| PV Insulation Detection       | Yes                                                                                         |  |                |  |                 |  |                  |  |
| AFCI                          | Optional                                                                                    |  |                |  |                 |  |                  |  |
| Leakage Current Protection    | Yes                                                                                         |  |                |  |                 |  |                  |  |
| General                       |                                                                                             |  |                |  |                 |  |                  |  |
| Max.Operation Altitude        | 4000m (>2000m derating)                                                                     |  |                |  |                 |  |                  |  |
| Protection Degree             | IP65                                                                                        |  |                |  |                 |  |                  |  |
| Operating Temperature Range   | -25~60°C (>45°C derating)                                                                   |  |                |  |                 |  |                  |  |
| Relative Humidity             | 0~100%                                                                                      |  |                |  |                 |  |                  |  |
| Cooling                       | Natural Cooling                                                                             |  |                |  |                 |  |                  |  |
| Mounting                      | Wall bracket                                                                                |  |                |  |                 |  |                  |  |
| Dimensions (W*H*D)            | 530mm*550mm*212mm                                                                           |  |                |  |                 |  |                  |  |
| Weight                        | 30kg                                                                                        |  |                |  | 32kg            |  |                  |  |
| PV Connection                 | MC4/H4                                                                                      |  |                |  |                 |  |                  |  |
| HMI & COM                     |                                                                                             |  |                |  |                 |  |                  |  |
| Display                       | LED+APP, LCD (Optional)                                                                     |  |                |  |                 |  |                  |  |
| Communication Interface       | RS485/CAN (BMS), RS485, RS485 (for meter), DRM, 2*DI (1 RMO), 2*DO, optional: WiFi/GPRS/LAN |  |                |  |                 |  |                  |  |
| Certification                 |                                                                                             |  |                |  |                 |  |                  |  |
| Grid                          | EN 50549-1, RFG, NC RFG, VDE 4105, VDE V0124-100                                            |  |                |  |                 |  |                  |  |
| Safety and EMC                | IEC 62109-1/2, EN 62109-1/2, IEC 61000                                                      |  |                |  |                 |  |                  |  |
| Warranty                      | 10 Years                                                                                    |  |                |  |                 |  |                  |  |

10

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

## ANYTIME, ANYWHERE REMOTE MONITORING PLATFORM

Monitor system performance in real-time via smartphone APP or Web portal using our advanced monitoring platform.



11

# 3PH-Hybrid Inverter

12kW/15kW/20kW/25kW/30kW



Fast charging or discharging  
up to 2x75A



Seamless transition to backup  
mode, <10 ms UPS-level switching



Parallel connection up to 10



IP66 outdoor and indoor application



Feed-in limitation function (zero export)



PV system oversizing up to 45kW



Support for both local and remote  
communication





# 3PH-Hybrid Inverter

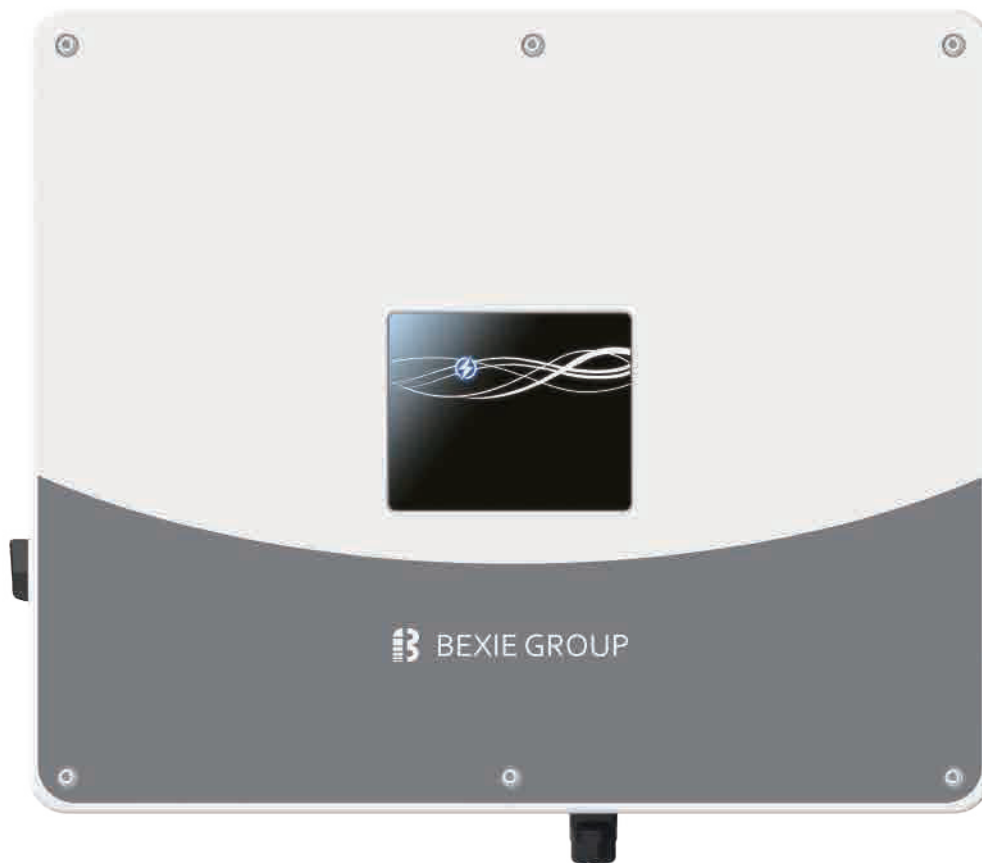
## 12kW/15kW/20kW/25kW/30kW

|                    | Model                             | BE12KW-3PH                                                                             |                   | BE15KW-3PH        | BE20KW-3PH        | BE25KW-3PH        | BE30KW-3PH |
|--------------------|-----------------------------------|----------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|------------|
| Efficiency         |                                   |                                                                                        |                   |                   |                   |                   |            |
|                    | Max. Efficiency (PV to AC)        | 98,20%                                                                                 |                   |                   |                   | 98,40%            |            |
|                    | Max. Efficiency (BAT to AC)       | 98,00%                                                                                 |                   |                   |                   |                   |            |
|                    | Euro. Efficiency (PV to AC)       | 97,90%                                                                                 |                   |                   |                   |                   |            |
| Input (PV)         |                                   |                                                                                        |                   |                   |                   |                   |            |
|                    | Max. PV Input Power               | 30.000W                                                                                |                   |                   |                   | 45.000W           |            |
|                    | Max. PV Voltage                   | 1.000V                                                                                 |                   |                   |                   |                   |            |
|                    | Start-up Voltage                  | 150V                                                                                   |                   |                   |                   |                   |            |
|                    | MPPT Voltage Range                | 160V-950V                                                                              |                   |                   |                   |                   |            |
|                    | Max. Input Current                | 32A/32A                                                                                |                   |                   |                   | 32A/32A/32A       |            |
|                    | Max. Short Circuit Current        | 40A/40A                                                                                |                   |                   |                   | 40A/40A/40A       |            |
|                    | Nos. Of MPPT                      | 2                                                                                      |                   |                   |                   | 3                 |            |
|                    | String per MPPT                   | 2/2                                                                                    |                   |                   |                   | 2/2/2             |            |
| Input/Output (BAT) |                                   |                                                                                        |                   |                   |                   |                   |            |
|                    | Battery Type                      | Lithium-ion/Lead-acid                                                                  |                   |                   |                   |                   |            |
|                    | Nominal Battery Voltage           | 230V-800V                                                                              | 285V-800V         | 380V-800V         | 190V-800V         | 230V-800V         |            |
|                    | Battery Voltage Range             | 120V-800V                                                                              |                   |                   |                   |                   |            |
|                    | Max. Charge/Discharge Current     | 60A/60A                                                                                |                   |                   |                   | 2 x 75A / 2 x 75A |            |
|                    | Max. Charge/Discharge Power       | 30.000W / 14.400W                                                                      | 30.000W / 18.000W | 30.000W / 24.000W | 45.000W / 30.000W | 40.000W / 36.000W |            |
| Output (Grid)      |                                   |                                                                                        |                   |                   |                   |                   |            |
|                    | Nominal Output Power              | 12.000W                                                                                | 15.000W           | 20.000W           | 25.000W           | 30.000W           |            |
|                    | Max. AC Output Apparent Power     | 13.200VA                                                                               | 16.500 VA         | 22.000 VA         | 27.500 VA         | 33.000 VA         |            |
|                    | Max. AC Output Power (PF=1)       | 13.200W                                                                                | 16.500W           | 22.000W           | 27.500W           | 33.000W           |            |
|                    | Max. AC Output Current            | 3 x 20A                                                                                | 3 x 25A           | 3 x 33,3A         | 3 x 41,7A         | 3 x 50A           |            |
|                    | Max. Single Phase power           | 10.000W                                                                                | 10.000W           | 10.000W           | 11.000W           | 11.000W           |            |
|                    | Max. Input Power                  | 36.000W                                                                                | 40,000W           |                   |                   | 45.000W           |            |
|                    | Max. Input Current                | 3 x 54,5A                                                                              | 3x60,6A           |                   |                   | 3 x 68,2A         |            |
|                    | Nominal Grid Voltage              | 380V/400V/415V, 3W+N+PE                                                                |                   |                   |                   |                   |            |
|                    | Grid Voltage Range                | 277V-520V (Adjustable)                                                                 |                   |                   |                   |                   |            |
|                    | Nominal Grid Frequency            | 50Hz/60Hz                                                                              |                   |                   |                   |                   |            |
|                    | Grid Frequency Range              | 45Hz-55Hz/55Hz-65Hz (Adjustable)                                                       |                   |                   |                   |                   |            |
|                    | Power Factor                      | > 0,99 @rated power (Adjustable 0,8 LD - 0,8 LG)                                       |                   |                   |                   |                   |            |
|                    | THDI                              | <3% (Rated Power)                                                                      |                   |                   |                   |                   |            |
| Output (Back up)   |                                   |                                                                                        |                   |                   |                   |                   |            |
|                    | Nominal Output Power              | 12.000W                                                                                | 15.000W           | 20.000W           | 25.000W           | 30.000W           |            |
|                    | Nominal Output Current            | 3*18,2A                                                                                | 3 x 22,7A         | 3 x 30,3A         | 3 x 37,9A         | 3 x 45,5A         |            |
|                    | Peak Output Apparent Power (5min) | 14,400VA                                                                               | 18.000VA          | 24.000VA          | 30.000VA          | 36.000VA          |            |
|                    | Peak Output Apparent Power (10s)  | 18,000VA                                                                               | 22.500VA          | 30.000VA          | 37.500VA          | 45.000VA          |            |
|                    | Nominal Output Voltage            | 380V/400V/415V, 3W+N+PE                                                                |                   |                   |                   |                   |            |
|                    | Nominal Output Frequency          | 50Hz/60Hz                                                                              |                   |                   |                   |                   |            |
|                    | Transfer Time                     | 10ms typical                                                                           |                   |                   |                   |                   |            |
|                    | THDV                              | <3% @100% R Load                                                                       |                   |                   |                   |                   |            |
| Protection         |                                   |                                                                                        |                   |                   |                   |                   |            |
|                    | Protection Category               | Class I                                                                                |                   |                   |                   |                   |            |
|                    | DC Switch                         | Yes                                                                                    |                   |                   |                   |                   |            |
|                    | Anti-islanding Protection         | Yes                                                                                    |                   |                   |                   |                   |            |
|                    | AC Over Current Protection        | Yes                                                                                    |                   |                   |                   |                   |            |
|                    | DC/AC Overvoltage Protection      | DC Type II, AC Type III                                                                |                   |                   |                   |                   |            |
|                    | AC Short Circuit Protection       | Yes                                                                                    |                   |                   |                   |                   |            |
|                    | DC Reverse Protection             | Yes                                                                                    |                   |                   |                   |                   |            |
|                    | Surge Arrester                    | DC Type II, AC Type II                                                                 |                   |                   |                   |                   |            |
|                    | Insulation Resistance Detection   | Yes                                                                                    |                   |                   |                   |                   |            |
|                    | AFCI                              | Optional                                                                               |                   |                   |                   |                   |            |
|                    | Leakage Current Protection        | Yes                                                                                    |                   |                   |                   |                   |            |
| General            |                                   |                                                                                        |                   |                   |                   |                   |            |
|                    | Max.Operation Altitude            | 4000m (>2000m derating)                                                                |                   |                   |                   |                   |            |
|                    | Ingress Protection Degree         | IP66                                                                                   |                   |                   |                   |                   |            |
|                    | Operating Temperature Range       | -25~60°C (>45°C derating)                                                              |                   |                   |                   |                   |            |
|                    | Relative Humidity                 | 0~100%                                                                                 |                   |                   |                   |                   |            |
|                    | Cooling Method                    | Natural Cooling                                                                        |                   |                   |                   | Smart Fan Cooling |            |
|                    | Mounting                          | Wall bracket                                                                           |                   |                   |                   |                   |            |
|                    | Dimensions (W*H*D)                | 660mm x 596mm x 235mm                                                                  |                   |                   |                   |                   |            |
|                    | Weight                            | 45kg                                                                                   |                   |                   |                   | 55kg              |            |
|                    | PV Connection Way                 | MC4/H4                                                                                 |                   |                   |                   |                   |            |
| HMI & COM          |                                   |                                                                                        |                   |                   |                   |                   |            |
|                    | Display                           | Bluetooth & APP + LED                                                                  |                   |                   |                   |                   |            |
|                    | Communication                     | RS485/CAN (for BMS), RS485, DRM/RS485 (for Meter), Optional: Wi-Fi/LAN, 2 x DO, 2 x DI |                   |                   |                   |                   |            |
| Certification      |                                   |                                                                                        |                   |                   |                   |                   |            |
|                    | Grid                              | VDE 4105, EN 50549-1, CEI 0-21, RD 1699/661/647/413,UNE 217002, IEC 61727/62116        |                   |                   |                   |                   |            |
|                    | Safety & EMC                      | IEC/EN 62109-1 & 2 & IEC/EN 61000                                                      |                   |                   |                   |                   |            |
|                    | Warranty                          | 10 Years                                                                               |                   |                   |                   |                   |            |

Remarks: For single battery port connected, the maximum charge power is 25,500W. When two ports are used, the power can reach 45,000W.

## Grid-tied Inverter

### Application: Commercial & Industrial Places



13

# BE30-50KW-3PG

30kW-50kW



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



4 MPPTs with 150% DC overload



Maximum efficiency up to 98.5%



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



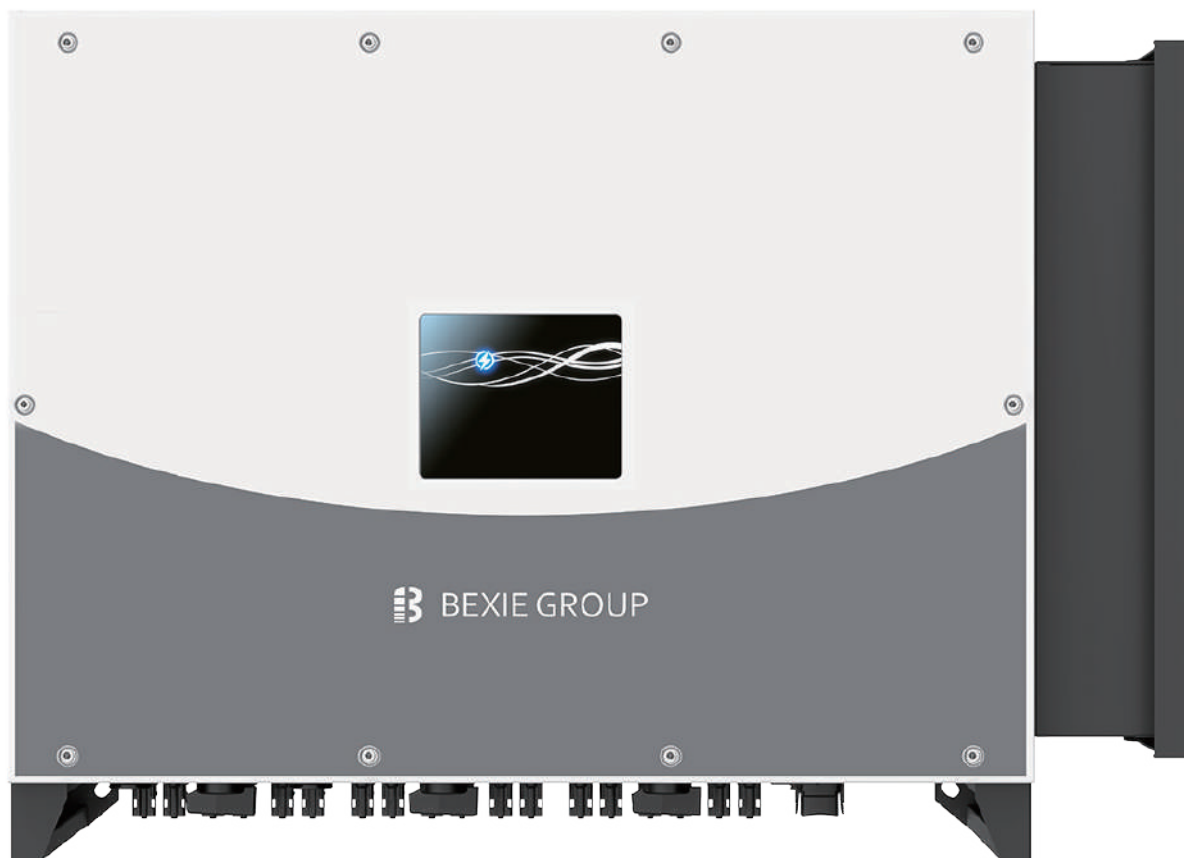
# BE30-50KW-3PG

30kW-50kW

| Model                        | BE30KW-3PG                                                                       |  | BE50KW-3PG  |  |
|------------------------------|----------------------------------------------------------------------------------|--|-------------|--|
| Efficiency                   |                                                                                  |  |             |  |
| Max. Efficiency              | 98.5%                                                                            |  |             |  |
| European Efficiency          | 98.0%                                                                            |  | 97.9%       |  |
| Input (PV)                   |                                                                                  |  |             |  |
| Max. Input Voltage           | 1100V                                                                            |  |             |  |
| Max. PV Configuration (STC)  | 150%                                                                             |  |             |  |
| Rated Input Voltage          | 620V                                                                             |  |             |  |
| Max. Input Current           | 40A+2*32A                                                                        |  | 40A+3*32A   |  |
| Max.Short Circuit Current    | 50A+2*45A                                                                        |  | 50A+3*45A   |  |
| Start Input Voltage          | 200V                                                                             |  |             |  |
| MPPT Operating Voltage Range | 180V-1000V                                                                       |  |             |  |
| Max. Number of PV Strings    | 2/2/2                                                                            |  | 2/2/2/2     |  |
| No. of MPPTs                 | 3                                                                                |  | 4           |  |
| Output (Grid)                |                                                                                  |  |             |  |
| Rated AC Active Power        | 30,000W                                                                          |  | 50,000W     |  |
| Max. AC Apparent Power       | 33,400VA                                                                         |  | 55,600VA    |  |
| Max. AC Output Current       | 3*51A                                                                            |  | 3*84.3A     |  |
| Rated AC Voltage             | 380V/400V/415V, 3W+N+PE or 3W+PE                                                 |  |             |  |
| AC Voltage Range①            | 320V-520V (Adjustable)                                                           |  |             |  |
| Rated Grid Frequency         | 50Hz/60Hz                                                                        |  |             |  |
| Grid Frequency Range②        | 45-55Hz/55-65Hz (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                                                                              |  |             |  |
| PV String Monitoring         | Optional                                                                         |  |             |  |
| Consumption Monitoring       | Optional                                                                         |  |             |  |
| General                      |                                                                                  |  |             |  |
| Topology                     | Transformerless                                                                  |  |             |  |
| IP Rating                    | IP66                                                                             |  |             |  |
| Night Self Consumption       | <1W (Standard)                                                                   |  |             |  |
| Cooling                      | Natural cooling                                                                  |  | Fan cooling |  |
| Operating Temperature Range  | -25°C-60°C                                                                       |  |             |  |
| Relative Humidity Range      | 0-100%                                                                           |  |             |  |
| Max. Operating Altitude      | 4000m                                                                            |  |             |  |
| Dimensions (W*H*D)           | 635mm*530mm*224mm                                                                |  |             |  |
| Weight                       | 36Kg                                                                             |  | 42Kg        |  |
| HMI & COM                    |                                                                                  |  |             |  |
| Display                      | Wireless & APP+LED, LCD (Optional)                                               |  |             |  |
| Communication                | RS485, Optional: WiFi/GPRS/LAN                                                   |  |             |  |
| Certification                |                                                                                  |  |             |  |
| Safety                       | IEC 62109-1, IEC 62109-2                                                         |  |             |  |
| Grid Code                    | VDE-AR-N 4105, EN 50549-1, UNE 206006/206007-1, RD 1699/661&413, IEC 61727/62116 |  |             |  |
| Warranty                     | 10 Years                                                                         |  |             |  |

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

## Grid-tied Inverter Application: Commercial & Industrial Places



15

# 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                                                                       |             |             |

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





# 600W/800W/1000W ALL-IN-ONE

## Single-phase Energy Storage System



### User-friendly Scenario

Suitable for both on-grid and off-grid application  
Support for both local LCD and remote APP control



### Easy Plug-in

All-in-one design to make your home compact and aesthetic  
Quick plug-in system, easy installation for everyone



### Reliable Application

IP55 outdoor and indoor application  
Low working temperature down to -15°C



### Efficient System

PV system oversizing up to 2000W  
4 work modes, 2 battery capacity choices



# ALL-IN-ONE

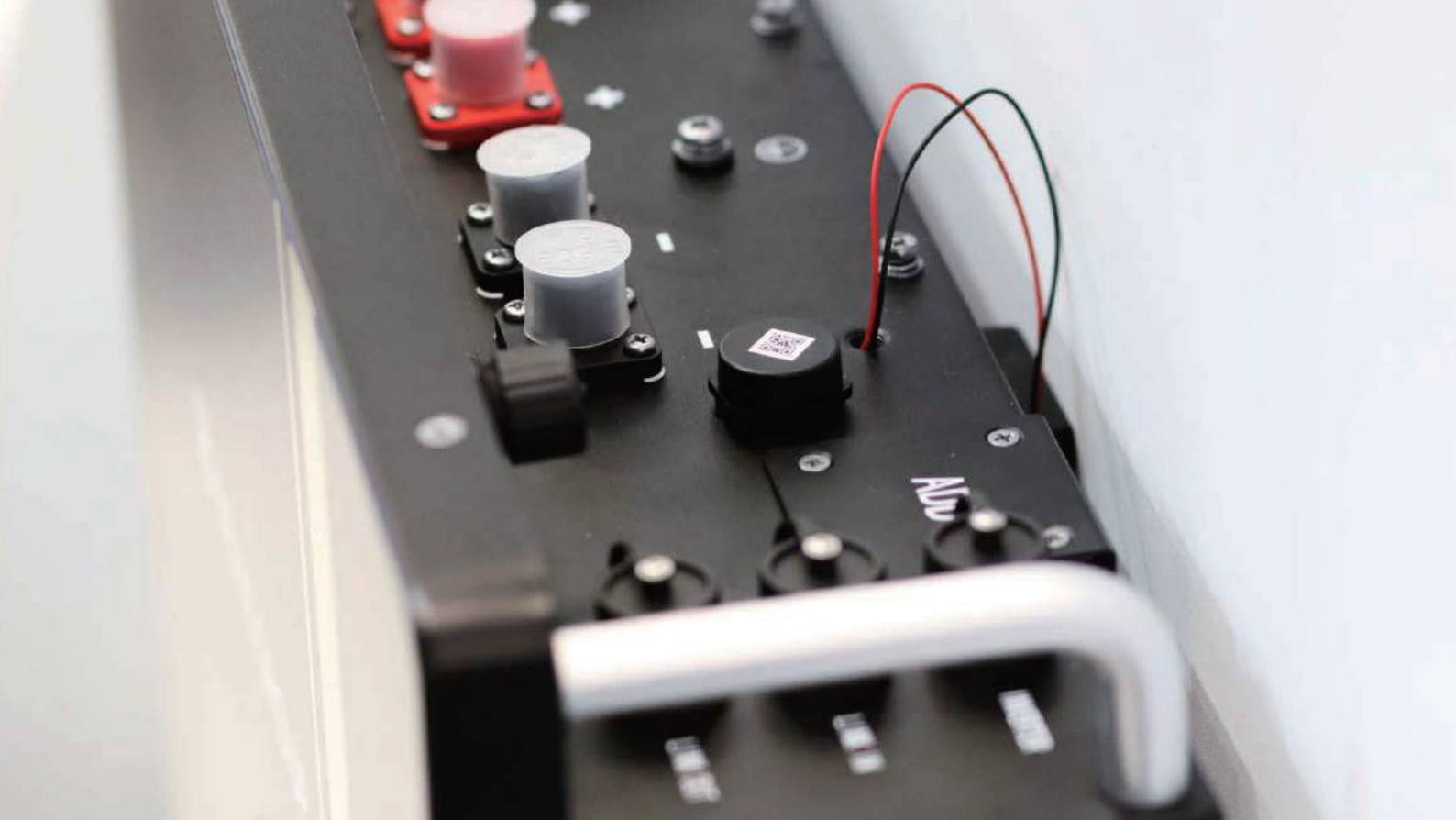
600W/800W/1000W

## Technical Datasheet

|                                         |                                                           | Nominal Parameters                             |                                |              |             |             |              |
|-----------------------------------------|-----------------------------------------------------------|------------------------------------------------|--------------------------------|--------------|-------------|-------------|--------------|
|                                         |                                                           | BXM600/1300                                    | BXM800/1300                    | BXM1000/1300 | BXM600/2400 | BXM800/2400 | BXM1000/2400 |
| PV input                                | Max. PV array power                                       | 2000 Wp                                        | 2000 Wp                        | 2000 Wp      | 2000 Wp     | 2000 Wp     | 2000 Wp      |
|                                         | Max. input voltage                                        | 50V                                            |                                |              |             |             |              |
|                                         | MPP voltage range / rated input voltage                   | 16V to 50V / 40V                               |                                |              |             |             |              |
|                                         | Min. input voltage / start voltage                        | 26V / 30vV                                     |                                |              |             |             |              |
|                                         | No. of independent MPPT trackers / strings per MPPT input | 2/2                                            | 2/2                            | 2/2          | 2/2         | 2/2         | 2/2          |
|                                         | Max. input current per MPP tracker                        | 28A                                            |                                |              |             |             |              |
|                                         | Max. short-circuit current per MPP tracker                | 39A                                            |                                |              |             |             |              |
| Battery input                           | Rated battery energy                                      | 1.3kWh                                         |                                |              | 2.4kWh      |             |              |
|                                         | Rated capacity                                            | 27 Ah                                          |                                |              | 50Ah        |             |              |
|                                         | Battery type                                              | LifePO4                                        |                                |              |             |             |              |
| AC output(On-grid)                      | Nominal AC voltage                                        | 220V / 230V / 240V                             |                                |              |             |             |              |
|                                         | AC voltage range                                          | 154 V - 276 V                                  |                                |              |             |             |              |
|                                         | Rated AC grid frequency                                   | 50 Hz / 60 Hz                                  |                                |              |             |             |              |
|                                         | AC grid frequency range                                   | 45-55 Hz / 55-65 Hz                            |                                |              |             |             |              |
|                                         | Rated apparent power                                      | 600 VA                                         | 800 VA                         | 1000 VA      | 600 VA      | 800 VA      | 1000 VA      |
|                                         | Max. apparent power                                       | 600 VA                                         | 800 VA                         | 1000 VA      | 600 VA      | 800 VA      | 1000 VA      |
|                                         | Rated grid output current (@230 V)                        | 2.6 A                                          | 3.5 A                          | 4.4 A        | 2.6 A       | 3.5 A       | 4.4 A        |
|                                         | Max. grid output current                                  | 2.8 A                                          | 3.8 A                          | 4.8 A        | 2.8 A       | 3.8 A       | 4.8 A        |
|                                         | Harmonics THDi (@ Nominal power)                          | < 3 % (of nominal power)                       |                                |              |             |             |              |
| AC output(Off-grid)                     | Rated grid voltage                                        | 220V / 230V / 240V                             |                                |              |             |             |              |
|                                         | Rated grid frequency                                      | 50 Hz / 60 Hz                                  |                                |              |             |             |              |
|                                         | Max. input power from grid                                | 1000 W                                         |                                |              |             |             |              |
|                                         | Max. input current from grid                              | 4.8 A                                          |                                |              |             |             |              |
|                                         | Nominal output voltage                                    | 230V                                           |                                |              |             |             |              |
|                                         | Nominal output frequency                                  | 50 Hz / 60 Hz                                  |                                |              |             |             |              |
|                                         | Rated apparent power                                      | 1000 VA                                        |                                |              |             |             |              |
|                                         | Peak output apparent power                                | 1600VA, 60 s                                   |                                |              |             |             |              |
|                                         | Rated output current (@230 V)                             | 4.4A                                           |                                |              |             |             |              |
|                                         | Max. output current                                       | 4.8A                                           |                                |              |             |             |              |
|                                         | Output THDv (@ Linear load)                               | < 2 %                                          |                                |              |             |             |              |
|                                         | EPS model                                                 | Manual switch                                  |                                |              |             |             |              |
| Efficiency                              | MPPT efficiency                                           | 99.9 %                                         |                                |              |             |             |              |
|                                         | Max. Battery to load efficiency                           | 92.0 %                                         |                                |              |             |             |              |
|                                         | General data                                              | Power factor at rated power / adjustable range | 1 / 0.8 leading to 0.8 lagging |              |             |             |              |
| Topology                                |                                                           | Isolated                                       |                                |              |             |             |              |
| Dimensions (W / H / D)                  |                                                           | 600 / 400 / 310mm                              |                                |              |             |             |              |
| Weight                                  |                                                           | 30.5 kg                                        |                                |              | 37.5 kg     |             |              |
| Operating temperature range             |                                                           | -15 °C ... +45 °C                              |                                |              |             |             |              |
| Cooling concept                         |                                                           | Fan Cooling                                    |                                |              |             |             |              |
| Degree of protection (as per IEC 60529) |                                                           | IP55                                           |                                |              |             |             |              |
| Max. relative humidity                  |                                                           | 95%                                            |                                |              |             |             |              |
| Max. operating altitude                 |                                                           | 3000 m                                         |                                |              |             |             |              |
| Features                                | User interface                                            | LCD & App                                      |                                |              |             |             |              |
|                                         | Zero-export interface                                     | CT                                             |                                |              |             |             |              |
|                                         | Internet communication interfaces                         | Wifi                                           |                                |              |             |             |              |
| Certificates                            | Grid                                                      | VDE 4105 / EN 50549                            |                                |              |             |             |              |
|                                         | Safety                                                    | IEC/EN 62109-1, IEC/EN 62109-2                 |                                |              |             |             |              |
|                                         | EMC                                                       | IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3 |                                |              |             |             |              |
|                                         | Battery                                                   | IEC62619, UN 38.3                              |                                |              |             |             |              |

18

Specifications are subject to change without advanced noticed.



# Solar storage for when you need it

19

At **BEXIE GROUP** we want you to use the energy you generate when you want it thanks to our storage solutions.

Ensure a constant supply of powerful and safe energy, providing clean energy for your daily life, no matter the time or weather conditions. You can also easily monitor your load and consumption via our intuitive mobile App.

## Solar energy in a smart way.

Safe and reliable storage technology, with LFP-safe technology and comprehensive BMS protection that constantly monitors the state of charge.

It's IP65 rated design allows for outdoor use and the high quality cells ensure long life cycles.

### Benefits

- Cells of the highest quality
- Compact design
- Control over the power consumption and battery charge and discharge levels.
- Low maintenance product

/ Solar storage for when you need it



System design  
adapted to your home.



Solar energy at your  
disposal day and night.



Protection IP65  
outdoor and indoor.



High-quality cells for a  
longer life cycle.

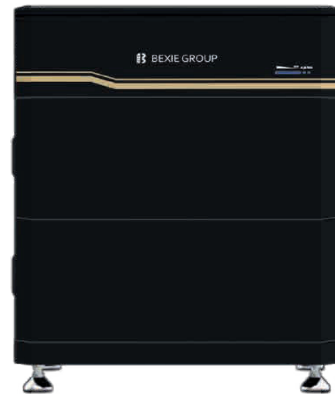
*\*Any of our products meets the corresponding quality measures.*



## You are ready to storage energy.

Use advanced technology to optimize solar energy conversion, which means you can make the most of every ray of sunshine.

They are easy to install, making them ideal for both residential and commercial installations and have smart features that allow real-time monitoring, ensuring you are always aware of your energy production.



20

# Optimize your energy quickly!!

Now it's time to present our monitor system performance in real time via smartphone APP or web portal using our advanced monitoring platform.



## Bexie series

Our batteries are engineered with cutting-edge technology, ensuring exceptional performance and long life. With efficient storage capacity, they allow to maximize the use of solar energy, reducing dependence on non-renewable sources and optimizing the use of energy during non-solar hours.

We offer a wide range of batteries ranging from low voltage to high voltage, suitable for residential, commercial and industrial projects.

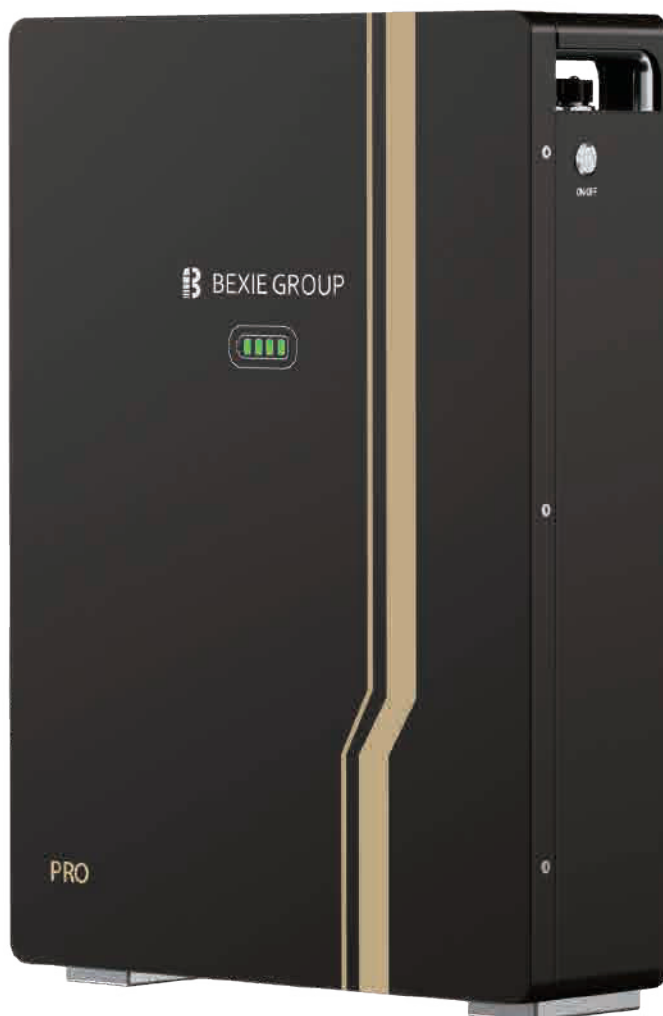


BXB 5KLX-PRO  
5kWh



BXB 10-30KHX  
10 - 30kWh





# BXB 5KLV-PRO

**Low Voltage**

**LiFePO4 BATTERY**



Reliable battery cells



Advanced BMS control



Fashionable and slim design



Internal heating for low temperature areas



IP65 outdoor and indoor application



Parallel capacity up to 160kWh



Wall-mounted or floor-standing installations



# BXB 5KLV-PRO

## LiFePO4 BATTERY

| Electrical Characteristics           |                                                                                                   |
|--------------------------------------|---------------------------------------------------------------------------------------------------|
| Model                                | BXB 5KLV-PRO                                                                                      |
| Rated Capacity                       | 100Ah                                                                                             |
| Rated Voltage                        | 51.2 V                                                                                            |
| Rated Energy                         | 5.12kWh                                                                                           |
| Max. Parallel Quantity               | 32 sets in parallel, 163.84kWh                                                                    |
| Related Charging / Discharge Current | 0.6C ,60A                                                                                         |
| Max Discharge Continuous Current     | 1C 100A at >70% SOC                                                                               |
| Battery Max Charge / Discharge Power | 3.07kW/5.12kW                                                                                     |
| Peak Discharge Current / Power       | 105A / 5.37kW, 1min                                                                               |
| Available SOC Range                  | 0% ~ 100%<br>90% DOD is recommended                                                               |
| Dimensions[W*D*H]                    | Width: 460 (±5) mm / 18.11 in,<br>Depth: 165 (±5) mm / 6.50 in,<br>Height: 652 (±5) mm / 25.67 in |
| Weight                               | ~50Kg                                                                                             |
| [1*] Operating Temperature           | Charging Temperature: -5°C~55°C / 23°F ~131°F<br>Discharge Temperature: -15°C~55°C / 5°F ~131°F   |
| [2*] Storage Temperature             | -15 °C ~ 55 °C / 5 °F ~ 131 °F                                                                    |
| Working Humidity                     | 5 ~ 95% RH Non-Condensing                                                                         |
| Altitude                             | ≤ 2000 m / 6562 ft                                                                                |
| Communication                        | CAN / RS485 / Dry Contact / WiFi<br>(WiFi Stick Optional)                                         |
| Certification                        | TÜV / IEC 62619 / IEC 62040 / IEC 61000 / UN38.3 / RoHS / REACH                                   |
| Cycle Life                           | 6000                                                                                              |
| Warranty                             | 10 Years Limited Warranty                                                                         |
| IP Rating                            | IP65                                                                                              |

[ 1\*] Recommended Operating Temperature: 10 ~ 30°C / 50°F ~86°F

[ 2\*] Recommended Storage Temperature: 10 ~ 30°C / 50°F ~86°F

Specifications are subject to change without advanced noticed.



24

# BXB 10-30KHV

**High Voltage**

**LiFePO4 BATTERY**



Support black start



Quick stackable plug-in design



Support low temperature charging  
and discharging



IP55 outdoor and indoor application



Parallel capacity up to 10 clusters



Reliable battery cells and BMS control



# BXB 10-30KHV

LiFePO4 BATTERY

| Electrical Characteristics            |                                                                                                  |                                |                                |                                 |                                 |                                 |
|---------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Model                                 | BXB 5KHV                                                                                         | BXB 10KHV                      | BXB 15KHV                      | BXB20KHV                        | BXB 25KHV                       | BXB 30KHV                       |
| Battery Module Quantity               | 1 <sup>[*]</sup>                                                                                 | 2                              | 3                              | 4                               | 5                               | 6                               |
| Total Capacity                        | 50 Ah                                                                                            |                                |                                |                                 |                                 |                                 |
| Nominal Voltage                       | 102.4 V                                                                                          | 204.8 V                        | 307.2 V                        | 409.6 V                         | 512 V                           | 614.4 V                         |
| Size, W*D*H mm, inches                | 560*400*503,<br>22.0*15.7*19.8                                                                   | 560*400*735,<br>22.0*15.7*28.9 | 560*400*967,<br>22.0*15.7*38.1 | 560*400*1199,<br>22.0*15.7*47.2 | 560*400*1431,<br>22.0*15.7*56.3 | 560*400*1663,<br>22.0*15.7*65.5 |
| Total Energy                          | 5.1 kWh                                                                                          | 10.2 kWh                       | 15.3 kWh                       | 20.4 kWh                        | 25.6 kWh                        | 30.7 kWh                        |
| Rated Charge/<br>Discharge Current    | 30 A, 0.6C                                                                                       |                                |                                |                                 |                                 |                                 |
| Weight                                | 89.2 kg,<br>196.7 lbs                                                                            | 148.1 kg,<br>196.7 lbs         | 207.6 kg,<br>457.7 lbs         | 266.8 kg,<br>588.2 lbs          | 326 kg,<br>718.7 lbs            | 385.2 kg,<br>849.2 lbs          |
| Design Cycle Life                     | 6000, 0.5C at 25 °C, 80% DOD, 80% SOH                                                            |                                |                                |                                 |                                 |                                 |
| Operating Temperature <sup>[1*]</sup> | Charging Temperature: -5 °C~55 °C/5 °F~131 °F<br>Discharge Temperature: -15 °C~55 °C/5 °F~131 °F |                                |                                |                                 |                                 |                                 |
| Storage Temperature <sup>[2*]</sup>   | -15 °C~55 °C, 5 °F~131 °F                                                                        |                                |                                |                                 |                                 |                                 |
| Self-Discharge<br>Rate of Module      | ≤2% per month, at 25 °C/77 °F                                                                    |                                |                                |                                 |                                 |                                 |
| Max. Parallel Capacity                | 307 kWh                                                                                          |                                |                                |                                 |                                 |                                 |
| Ingress Protection                    | IP55, in stacked up state                                                                        |                                |                                |                                 |                                 |                                 |
| Certificates & Standards              | IEC 62619/EN 61000-6-1 & EN 61000-6-3/UN38.3/RoHS, REACH                                         |                                |                                |                                 |                                 |                                 |
| Warranty                              | 10 years                                                                                         |                                |                                |                                 |                                 |                                 |

25

Specifications are subject to change without advanced noticed.

[1\*] Recommended operating temperature: 10~30 °C/50 °F~86 °F.

[2\*] Recommended storage temperature: 10~30 °C/50 °F~86 °F

[\*] This product requires a minimum of two battery modules (10kWh) for operation.



# Charge your life with solar energy ⚡

26

Discover the advantages we offer you from **BEXIE GROUP** when charging your electric car with our EV charger.

Solar energy has become the best ally to reduce costs and make flexible energy in our lives. Committed to sustainability, our EV charger not only promotes an environmentally friendly lifestyle but also contributes to reducing the carbon footprint by making every trip more responsible.

## The best friend in mobility!

With cutting-edge technology, it ensures safe and optimized charging, allowing users to recharge their vehicles in record time.

In addition, its compact and elegant design integrates perfectly into any environment, whether in homes, offices or public spaces.

### Benefits

- Higher self-consumption
- Environmentally responsible mobility
- Connect all the computers in your network
- Agile and rapida loading



Sustainable mobility  
in your daily life



Charging at minimum  
cost at home



Smart energy  
management



Remote control  
of loads

*\*Any of our products meets the corresponding quality measures.*



## Plug in with innovation and drive.

Equipped with quick-charge AS and ASP plugs, it allows you to recharge your vehicle in record time without compromising safety.

It also has an innovative remote control that allows you to monitor and manage your car's energy consumption, giving you the power to optimize each charging session. This functionality not only facilitates everyday use, but also contributes to more efficient energy management, making our charger a smart and practical choice for any driver committed to sustainability.







# EV Charger

**BXC-B 7.4-22kW**

**AC Single-phase/Three-phase**



Easy installation and  
user-friendly scenario



Controlled by APP, WIFI or  
bluetooth connection.



IP65 & IK10 certification



Dynamic load balancing  
function



# EV Charger

## BXC-B 7.4-22kW

| Model                                   | BXC-B 7.4kW                                            | BXC-B 22kW        |
|-----------------------------------------|--------------------------------------------------------|-------------------|
| Input & Output                          |                                                        |                   |
| Input & Output Voltaje                  | AC 230V (1-Phase)                                      | AC 400V (3-Phase) |
| Input Frequency                         | 50/60Hz                                                |                   |
| Tetherd/Socket                          | ./-                                                    |                   |
| Output Power                            | 1.3kW to 7.4kW                                         | 7kW to 22kW       |
| Output Current                          | 6A to 32A                                              | 10A to 32A        |
| Meter                                   | Built-in metering chip + external MID meter (optional) |                   |
| Residual Current Detection              | DC 6 mA                                                |                   |
| Socket Type                             | Type 2 Socket with Sutter                              |                   |
| User Interface & Control                |                                                        |                   |
| Network Interface                       | WIFI & Bluetooth & Ethernet & 4G                       |                   |
| RFID Reader                             | Yes                                                    |                   |
| Status Indication                       | LED ring                                               |                   |
| Function modes                          | Solar mode, balance loads mode                         |                   |
| Working Environment                     |                                                        |                   |
| Ingress Protection                      | IP65                                                   |                   |
| Maximun Altitude                        | <2000m                                                 |                   |
| Storage Temperatura                     | -40~85°C                                               |                   |
| Operating Temperature                   | -30~55°C                                               |                   |
| Mechanical                              |                                                        |                   |
| Impact Protection Class                 | IK10                                                   |                   |
| UV Resistant                            | Yes                                                    |                   |
| Mounting                                | Wall or Pole                                           |                   |
| Housing                                 | Metal                                                  |                   |
| Dimensions (W/H/D)                      | 278/360/152 mm                                         |                   |
| Length of gun cable                     | 5m                                                     |                   |
| Weight                                  | 12kg                                                   |                   |
| Safety                                  |                                                        |                   |
| Over Voltage & Under Voltage Protection | Yes                                                    |                   |
| Contactor Adhesion Protection           | Yes                                                    |                   |
| Lightning Protection                    | Yes                                                    |                   |
| Over Temperature Protection             | Yes                                                    |                   |
| Emergency Stop                          | Yes                                                    |                   |
| Over Current Protection                 | Yes                                                    |                   |
| CP Signal Short Circuit Protection      | Yes                                                    |                   |
| Certifications                          | CE, TUV/ EN / IEC 61851-1                              |                   |



# New technology in Solar Kit



30

At **BEXIE GROUP** we are proud to present our innovative solar kits, which combine high-efficiency solar panels, state-of-the-art inverters and advanced storage batteries.

These kits are designed to provide a comprehensive renewable energy solution, allowing users to generate, store and use their own solar energy in an efficient and sustainable manner. Ideal for homes, businesses and community projects, our kits not only reduce reliance on conventional energy sources, but also contribute to a cleaner, more environmentally friendly future. With easy installation and reliable performance, our solar kits are the perfect choice for those looking to maximize their use of solar energy.

## The perfect solution is here!

Designed to suit the particular needs of each home, offering customized solutions that maximize the use of solar energy.

Each kit can be configured according to your specific home energy consumption, allowing you to choose the ideal combination of panels, inverters and batteries.

### Benefits

- Responsible and sustainable consumption with the environment
- Energy and money saving
- Control of the energy distribution from App
- 100% customizable





Solution to take care of the planet.



Saves money with all the ESS System



Quality and pre-post sales service warranty



Customized to your home needs

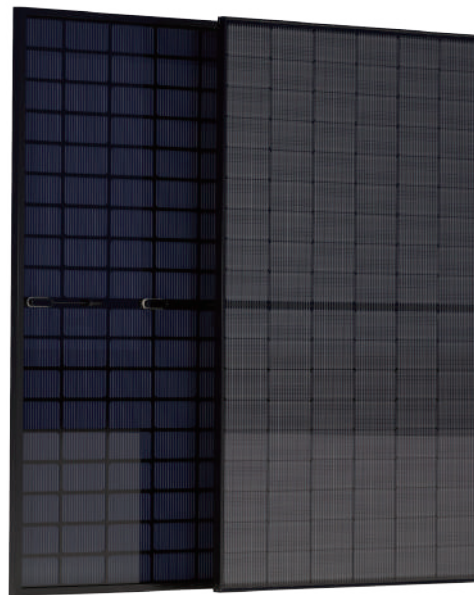
*\*Any of our Solar Kit meets the corresponding quality measures.*



## Everything at your fingertips!

Their installation and use is becoming easier, empowering households to adopt a more environmentally friendly and self-reliant lifestyle, contributing to the transition towards a more responsible energy future.

Equipped with photovoltaic panels, inverters and batteries, these kits facilitate the generation of clean electricity and the possibility to store energy for use in times of high demand.





## Energy-efficient system for heating water

**Bexie Group Heat Pumps** are a highly efficient system for heating water using ambient air, with a COP > 4.

At BEXIE GROUP, we believe that true innovation goes beyond energy savings—it means creating solutions that are efficient and sustainable.

Whether you're upgrading your home or looking for a greener solution for heating water, BEXIE GROUP has the expertise and technology to support your transition to clean, smart energy.

### **WHAT IS AN AIR-TO-WATER HEAT PUMP?**

An air-to-water heat pump is an electrical device that takes heat from ambient air and transfers it to water.

And provide heating or hot water inside the home, in the most efficient and sustainable way. It is an extremely energy-efficient way of heating or sanitizing hot water for every home while also reducing your household's carbon emissions.





Sustainable hot water  
in your daily life



System design  
adapted to your home.



Progressive increase  
of your energy saving.



High-quality product  
for a longer life cycle.

*\*Any of our products meets the corresponding quality measures.*

## BENEFITS

- Built with high-performance components.
- High energy efficiency product.
- Reduce your carbon footprint and energy bills.
- Low maintenance and long lifespan.
- COP>4.







# HEAT PUMP

## E SERIES-FLOOR



Horizontal/Vertical design, space saving



Outlet water temp out to 75°C



Intelligent & auto operation



R290 Eco refrigerant MODBUS communication



Stainless steel tank, long service life



Sterilization function, high pressure protection



External condenser coil, safe and reliable

# HEAT PUMP

## E SERIES-FLOOR

| Model                         | KR20/200DN5W-D8     | KR20/250DN5W-D8     | KR20/300DN5W-D8     |
|-------------------------------|---------------------|---------------------|---------------------|
| <b>Heat Pump</b>              |                     |                     |                     |
| Rated power input (W)         | 505                 | 505                 | 505                 |
| Rated current (A)             | 2.20                | 2.20                | 2.20                |
| Max input power (W)           | 860                 | 860                 | 860                 |
| Max input current (A)         | 3.74                | 3.74                | 3.74                |
| Power supply (V / Hz)         | 220-240v~/50Hz      | 220-240v~/50Hz      | 220-240v~/50Hz      |
| Load profile                  | L                   | L                   | XL                  |
| Energy efficiency class*      | A+                  | A+                  | A+                  |
| COP <sub>DHW</sub> *          | 3.24                | 3.27                | 3.49                |
| Heating time (h:min)*         | 7:04                | 9:44                | 10:42               |
| V40 ErP (L)*                  | 251                 | 325                 | 383                 |
| AEC (kWh)*                    | 761                 | 753                 | 1173                |
| COP <sub>DHW</sub> **         | 3.66                | 3.77                | 3.93                |
| Heating time (h:min)*         | 6:05                | 7:35                | 9:13                |
| V40 ErP (L)*                  | 252                 | 322                 | 381                 |
| AEC (kWh)**                   | 672                 | 651                 | 1041                |
| Ambient tem.range (°C)        | -7~43               | -7~43               | -7~43               |
| Max water outlet Temp. (°C)   | 65                  | 65                  | 65                  |
| Refrigerant type and mass (g) | R290 (150g)         | R290 (150g)         | R290 (150g)         |
| <b>Electric heater</b>        |                     |                     |                     |
| Rated power input (W)         | 1500                | 1500                | 1500                |
| Rated current (A)             | 6.52                | 6.52                | 6.52                |
| Ambient Temp.range (°C)       | -15~43              | -15~43              | -15~43              |
| Max water outlet Temp. (°C)   | 75                  | 75                  | 75                  |
| <b>Water tank</b>             |                     |                     |                     |
| Storage volume (L)            | 200                 | 250                 | 250                 |
| Inner tank                    | Enameled water tank | Enameled water tank | Enameled water tank |
| Max tank pressure (MPa)       | 1.0                 | 1.0                 | 1.0                 |
| Water inlet/outlet pipe (mm)  | DN20                | DN20                | DN20                |
| Drainage pipe (mm)            | DN20                | DN20                | DN20                |
| Magnesium rod joint (mm)      | M33                 | M33                 | M33                 |
| <b>Others</b>                 |                     |                     |                     |
| Noise levels [dB (A)]         | 52                  | 52                  | 52                  |
| Water proof class             | IPXI                | IPXI                | IPXI                |
| Anti-shock class              | I                   | I                   | I                   |
| Net size (mm)                 | Ø662x1350           | Ø662x1770           | Ø662x1970           |
| Packing size (mm)             | 725*725*1680        | 725*725*1920        | 725*725*2120        |
| N.W (kg)                      | 100.0               | 110.0               | 136.0               |
| G.W (kg)                      | 115.0               | 126.0               | 152.0               |
| Loading per 20'GP/40'GP       | 21/48/48 (pcs)      | 21/48/48 (pcs)      | 21/48/48 (pcs)      |

1.\* Performance condition: ambient air 7°C DB/6°C WB, incoming/final water temperature 10°C / 52°C.

2.\*\* Performance condition: ambient air 14°C DB/13°C WB, incoming/final water temperature 10°C / 52°C.

3. Data subject to change with our prior notice.

4. Actual loading quantities according to real packaging dimensions, only for reference.



# HEAT PUMP

## E SERIES M4 - WALL MOUNTED



Horizontal/Vertical design, space saving



Outlet water temp out to 75°C



Intelligent & auto operation



R290 Eco refrigerant MODBUS communication



Stainless steel tank, long service life



Sterilization function, high pressure protection



External condenser coil, safe and reliable

# HEAT PUMP

## E SERIES M4 - WALL MOUNTED

| Model                         | KR15 / 80DN5W-M4    | KR15 / 100DN5W-M4   | KR15 / 120DN5W-M4   |
|-------------------------------|---------------------|---------------------|---------------------|
| <b>Heat Pump</b>              |                     |                     |                     |
| Rated power input (W)         | 200                 | 200                 | 200                 |
| Rated current (A)             | 1.0                 | 1.0                 | 1.0                 |
| Max input power (W)           | 350                 | 350                 | 350                 |
| Max input current (A)         | 1.7                 | 1.7                 | 1.7                 |
| Power supply (V / Hz)         | 220-240v~/50Hz      | 220-240v~/50Hz      | 220-240v~/50Hz      |
| Load profile                  | M                   | M                   | M                   |
| Energy efficiency class*      | A+                  | A+                  | A+                  |
| COP <sub>DHW</sub> *          | 2.86                | 2.98                | 2.90                |
| Heating time (h:min)*         | 4:26                | 5:46                | 7:19                |
| V40 ErP (L)*                  | 79                  | 106                 | 130                 |
| AEC (kWh)*                    | 433                 | 415                 | 425                 |
| COP <sub>DHW</sub> **         | 3.41                | 3.31                | 3.46                |
| Heating time (h:min)*         | 3:35                | 4:46                | 5:55                |
| V40 ErP (L)*                  | 80                  | 106                 | 130                 |
| AEC (kWh)**                   | 361                 | 375                 | 355                 |
| Ambient tem.range (°C)        | -7~43               | -7~43               | -7~43               |
| Max water outlet Temp. (°C)   | 65                  | 65                  | 65                  |
| Refrigerant type and mass (g) | R290 (150g)         | R290 (150g)         | R290 (150g)         |
| <b>Electric heater</b>        |                     |                     |                     |
| Rated power input (W)         | 1500                | 1500                | 1500                |
| Rated current (A)             | 6.52                | 6.5                 | 6.52                |
| Max water outlet Temp. (°C)   | 75                  |                     | 75                  |
| <b>Water tank</b>             |                     |                     |                     |
| Storage volume (L)            | 80                  | 100                 | 120                 |
| Inner tank                    | Enameled water tank | Enameled water tank | Enameled water tank |
| Max tank pressure (MPa)       | 0.8                 | 0.8                 | 0.8                 |
| Water inlet/outlet pipe (mm)  | DN15                | DN15                | DN15                |
| Drainage pipe (mm)            | -                   | -                   | -                   |
| Magnesium rod joint (mm)      | -                   | -                   | -                   |
| <b>Others</b>                 |                     |                     |                     |
| Noise levels [dB (A)]         | 49                  | 50                  | 55                  |
| Water proof class             | IPXI                | IPXI                | IPXI                |
| Anti-shock class              | I                   | I                   | I                   |
| Net size (mm)                 | 522*548*1026        | 522*548*1366        | 522*548*1526        |
| Packing size (mm)             | 570*585*1347        | 570*585*1507        | 570*585*1667        |
| N.W (kg)                      | 57                  | 62                  | 67                  |
| G.W (kg)                      | 71                  | 78                  | 85-                 |
| Loading per 20'GP/40'GP       | 39/80/80 (pcs)      | 39/80/80 (pcs)      | 39/80/80 (pcs)      |

1.\* Performance condition: ambient air 7°C DB/6°C WB, incoming/final water temperature 10°C / 52°C.

2.\*\* Performance condition: ambient air 14°C DB/13°C WB, incoming/final water temperature 10°C / 52°C.

3. Data subject to change with our prior notice.

4. Actual loading quantities according to real packaging dimensions, only for reference.



38

# HEAT PUMP

## S SERIES - WALL MOUNTED



Horizontal/Vertical design, space saving



Outlet water temp out to 75°C



Intelligent & auto operation



R290 Eco refrigerant MODBUS communication



Stainless steel tank, long service life



Sterilization function, high pressure protection



External condenser coil, safe and reliable





# HEAT PUMP

## S SERIES - WALL MOUNTED

| Model                     | RS-GAD 100L                | RS-GAD 150L |
|---------------------------|----------------------------|-------------|
| Rated Heating Capacity    | 900W                       | 900W        |
| Power Supply              | 220V-50Hz                  | 220V-50Hz   |
| COP (A20)                 | 3.4                        | 3.4         |
| ERP (7°C)                 | A++                        | A++         |
| Highest water temperature | 75°C                       | 75°C        |
| Electric heater           | 1.5kW                      | 1.5kW       |
| Electric heater ampere    | 6.8A                       | 6.8A        |
| Operation condition       | -7~35°C                    | -7~35°C     |
| Refrigerant               | R290                       | R290        |
| Noise (dB)                | 46dB                       | 46dB        |
| Cover maerial             | Steel (with powder coated) |             |
| Heat exchanger            | Micro-channel              |             |
| Tank material             | SS316                      | SS316       |
| Tank capacity             | 100L                       | 150L        |
| Water connection          | M 3/4"                     | M 3/4"      |
| Fan - air duct size       | Ø125mm                     | Ø125mm      |
| Water connection          | M 3/4"                     | M 3/4"      |
| Air Flow                  | 260m3/h                    | 260m3/h     |
| Dimension                 | Ø560-1450mm                | Ø560-1480mm |

Specifications are subject to change without advanced noticed.



40

# HEAT PUMP

## S SERIES - FLOOR STANDING



Horizontal/Vertical design, space saving



Outlet water temp out to 75°C



Intelligent & auto operation



R290 Eco refrigerant MODBUS communication



Stainless steel tank, long service life



Sterilization function, high pressure protection



External condenser coil, safe and reliable

# HEAT PUMP

## S SERIES - FLOOR STANDING

| Model                     | RS-GAD 100L | RS-GAD 150L |
|---------------------------|-------------|-------------|
| Input power (kW)          | 0.45        | 0.45        |
| Current (A)               | 2.1         | 2.1         |
| Voltage                   | 220-240     | 220-240     |
| Heating capacity (kW)     | 1.8         | 1.8         |
| Highest water temperature | 75°C        | 75°C        |
| Refrigerant               | R290        | R290        |
| Electric heater (kW)      | 2.0         | 2.0         |
| Max current (A)           | 12.8        | 12.8        |
| Max input power (kW)      | 2.8         | 2.8         |
| Unit size (mm)            | Ø560x1750   | Ø650x1920   |
| Net weight (kg)           | 72          | 110         |
| Noise (dB)                | 46          | 46          |

Specifications are subject to change without advanced noticed.



# Why Bexie Group?

42

Choosing **BEXIE GROUP** as a manufacturer of photovoltaic products is to choose quality, innovation and sustainability. We stand out in the market for our commitment to excellence, offering customized solutions that are adapted to the specific needs of each customer.

Our products are designed with cutting-edge technology and high efficiency materials, ensuring optimal performance and long life. We also have a team of experts who provide exceptional technical support and unmatched customer service.

By choosing Bexie Group, you are not only investing in renewable energy, but also in a more sustainable and efficient future.

## Bexie Group services and warranties.

All our teams have warranty and quality certificates so that our customers can rest assured of having the best products on the market.

In addition to customer service during the sale of all products and having official installers.

