

HYBRID SOLAR INVERTER BETA X

SPLIT PHASE 6KW & 10KW

**FOR ON-GRID AND OFF-GRID
APPLICATIONS**



Support Smart Load

Alternative port for generator and critical load



Flexible

Works with self-consumption systems, battery backup systems and off-grid systems



IP65 Protection

IP65 waterproof and dust proof for various working conditions



Remote Monitoring

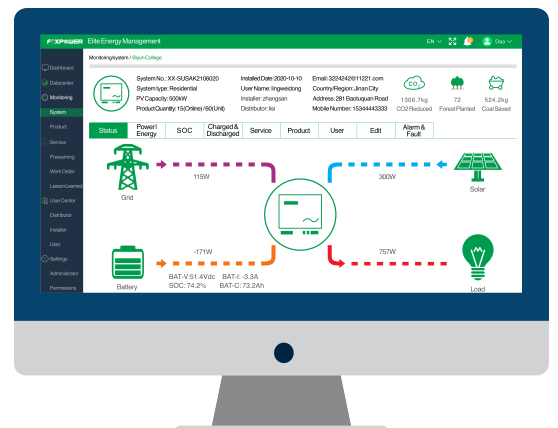
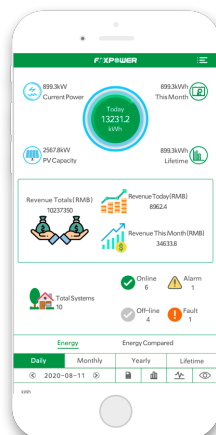
Monitoring your system remotely via smartphone app or web portal

ANYTIME, ANYWHERE

REMOTE MONITORING PLATFORM



Monitor system performance in real-time via smartphone app or web portal using our advanced monitoring platform. Even more, you can maintain your system via our smart platform.



The most reliable all-purpose solution - easier than ever!

The Beta X hybrid inverter supports a wide range of on-grid and off-grid installations with compelling product features - from operation in off-grid areas to home energy management. Thanks to its integrated web interface, the Beta X hybrid inverter can be easily configured and monitored via smart phone or web portal platform. And being a core element in Foxpower flexible storage system, the Beta X temporarily stores self-generated power thus making it possible to use solar power around-the-clock.

Its high protection class, wide temperature range and exceptional overload capacity always provide kind of reliability needed for off-grid use. Intelligent load and energy management keeps the system running even in critical situations.



Flexible

- Works with self-consumption systems, battery backup systems, off-grid systems and grid-tied systems
- Ideal for connectable in parallel and modular expandable of systems from 6kW up to 60kW
- AC coupling and DC coupling functions! Ideal for retrofits existing grid-tied systems.

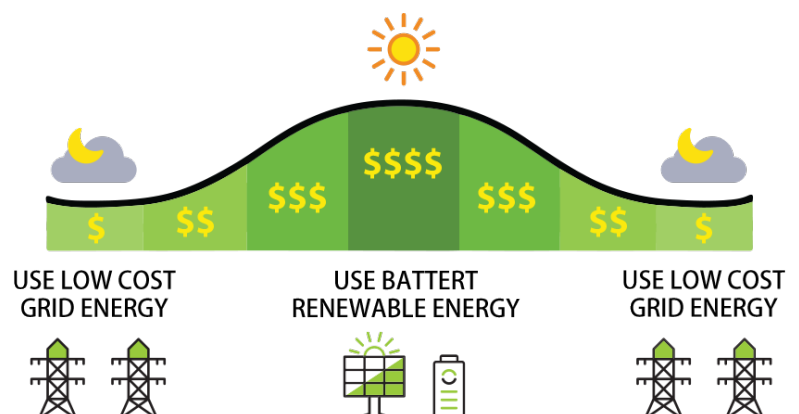
Reliable

- 5-year warranty
- Particularly high overload capacity
- IP65 for reliable operation in extreme environments

Peak Shaving Time of Use (TOU)

Peak Shaving is a process where our power management system intelligently charges and stores electricity during hours when energy from the grid is not in high demand; *often evenings, weekends, and holidays*. It then discharges and provides energy to the home, business, or building during the hours when the grid is in high demand and most expensive; thereby saving your money and easing electric demand on the grid.

Avoid peak energy penalties and high-rate energy costs by using our power management systems to use low-cost energy during peak times.



| Technical Data | Beta X6 | Beta X10 |
|--|---|---|
| Phase | 120/240Vac Split phase 120/208Vac Two-Thirds phase | 120/240Vac Split phase 120/208Vac Two-Thirds phase |
| Maximum PV Input Power | 7500W | 14500W |
| Rated Output Power | 6000W | 10000W |
| Grid-tied Operation | | |
| Maximum PV Input DC Voltage | 600Vdc | 600Vdc |
| PV Start-up Voltage/Initial Feeding Voltage | 120Vdc/160Vdc | 120Vdc/160Vdc |
| MPPT Voltage Range | 120Vdc ~550Vdc | 120Vdc ~550Vdc |
| Number of MPP Trackers/Maximum Input Current | 2/15A | 2/27A |
| Nominal AC Output Voltage | 120Vac/240Vac | 120Vac/240Vac |
| AC Output Voltage Range | 97~132Vac/194~264Vac | 97~132Vac/194~264Vac |
| Nominal AC Output Current | 27.3A per phase | 41.5A per phase |
| AC Output Power Factor | 0.9 lag to 0.9 lead | 0.9 lag to 0.9 lead |
| Maximum Conversion Efficiency (DC/AC) | 96% | 96% |
| Off-Grid Operation | | |
| AC Input Start-up Voltage/Auto Restart Voltage | 85Vac, 170Vac/90Vac, 180Vac | 85Vac, 170Vac/90Vac, 180Vac |
| Acceptable AC Input Voltage Range | 85~140Vac/170~280Vac | 85~140Vac/170~280Vac |
| AC Input Frequency Range | 50Hz/60Hz (Auto Sensing) | 50Hz/60Hz (Auto Sensing) |
| Maximum AC Input Current | 30A per phase | 50A per phase |
| Maximum PV Input DC Voltage | 600Vdc | 600Vdc |
| MPPT Voltage Range | 120Vdc ~550Vdc | 120Vdc ~550Vdc |
| Number of MPP Trackers / Maximum Input Current | 2/15A | 2/27A |
| Nominal AC Output Voltage | 120Vac/240Vac | 120Vac/240Vac |
| AC Output Waveform | Pure sine wave | Pure sine wave |
| Efficiency (DC to AC) | 91% | 96% |
| Hybrid Operation | | |
| Maximum PV Input DC Voltage | 600Vdc | 600Vdc |
| PV Start-up Voltage/Initial Feeding Voltage | 120Vdc/160Vdc | 120Vdc/160Vdc |
| MPPT Voltage Range | 120Vdc ~550Vdc | 120Vdc ~550Vdc |
| Number of MPP Trackers / Maximum Input Current | 2/15A | 2/27A |
| Nominal AC Output Voltage | 120Vac/240Vac | 120Vac/240Vac |
| AC Output Voltage Range | 97~132Vac/194~264Vac | 97~132Vac/194~264Vac |
| Nominal AC Output Current | 27.3A per phase | 41.5A per phase |
| AC Input Start-up Voltage/Auto Restart Voltage | 85Vac, 170Vac/90Vac, 180Vac | 85Vac, 170Vac/90Vac, 180Vac |
| Acceptable AC Input Voltage Range | 85~140Vac/170~280Vac | 85~140Vac/170~280Vac |
| Maximum AC Input Current | 30A per phase | 50A per phase |
| Nominal AC Output Voltage | 120Vac/240Vac | 120Vac/240Vac |
| Efficiency (DC to AC) | 91% | 96% |
| Nominal Battery DC Voltage | 42Vdc~62Vdc | 80Vdc~576Vdc |
| Maximum Solar Charging Current | 120A | 50A |
| Maximum AC Charging Current | 120A | 50A |
| Maximum Charging Current | 120A | 50A |
| General | | |
| Dimension (D*W*H) | 700*515*215mm (27.6*20.3*8.5inch) | 575*500*262mm (22.6*19.7*10.3inch) |
| Net Weight | 41kg (90.4lbs) | 50kg (110.2lbs) |
| Interface | | |
| Parallel Function | Yes, 6 units | Yes, 6 units |
| Communication Port | RS232, RS485, WIFI, USB | RS232, RS485, WIFI, USB |
| Environment | | |
| Protection Degree | IP65 | IP65 |
| Operating Temperature | -25°C to 60°C (>45°C derating) | -25°C to 60°C (>45°C derating) |