



X1-Micro 2 in 1

The SolaX X1-Micro series is renowned for its exceptional power output, positioning itself as one of the top-rated models among 2-in-1 microinverters, boasting an impressive capacity of up to 1200 VA. Specifically designed to cater to the latest and previous generation of high-power modules, these microinverters feature two independent MPPTs and robust support for input current and output power. Seamlessly incorporating Wi-Fi wireless technology, the X1-Micro series ensures reliable and consistent communication, offering users a smooth monitoring and control experience. Delivering a cost-effective solution, these microinverters are highly suitable for both residential and commercial solar applications. Furthermore, they are fully compatible with the SolaX Hybrid system and seamlessly integrate with various AC coupled systems available in the market, thus enhancing their versatility and adaptability.

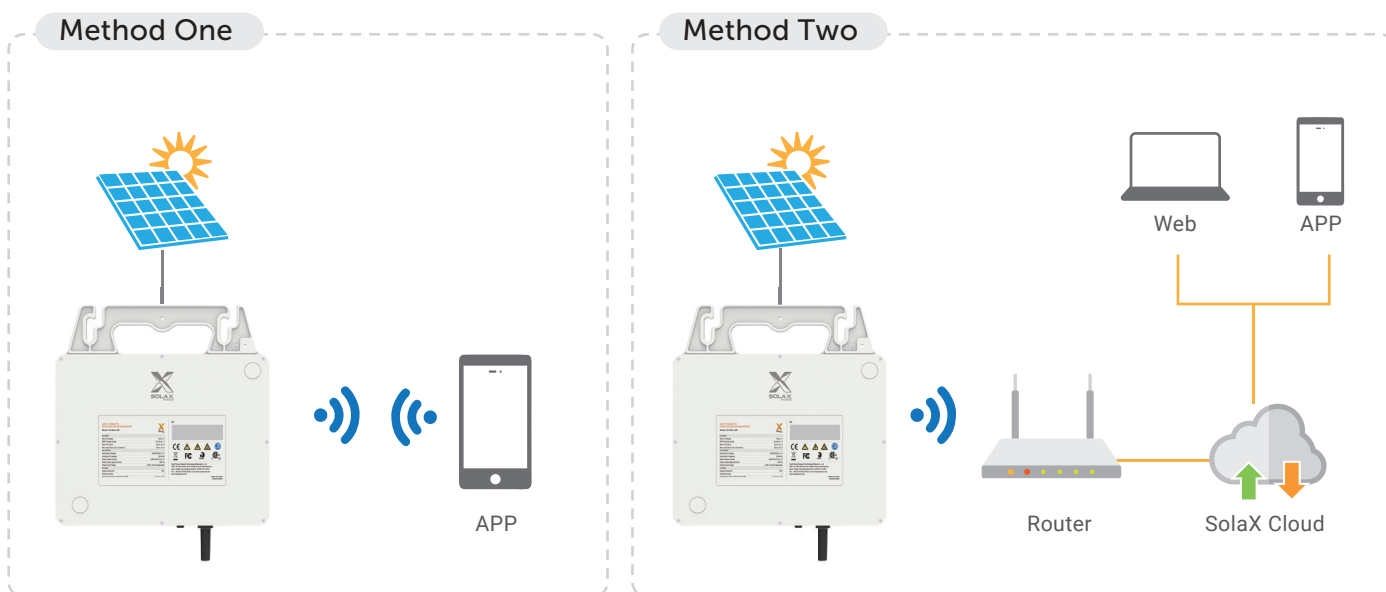


X1-Micro 800 / X1-Micro 900 /
X1-Micro 1000 / X1-Micro 1200

Features

- Max output power up to 1200VA with two independent input channels(MPPT)
- Up to 20A DC input current to be compatible with the high power PV module
- Built-in industrial grade Wi-Fi module for high reliability
- Safety protection relay integrated
- Support micro-grid, AC coupling solution with existing storage system
- Support the integration of a single-phase microinverter into a three-phase power grid system
- With Reactive Power Control and Rapid Shutdown Function
- Easy to install and maintain with small size, light weight
- IP67 protection class, more reliable

Communication Diagram



| | X1-Micro 800 | X1-Micro 900 | X1-Micro 1000 | X1-Micro 1200 |
|--|-------------------------------------|--|-------------------------------------|-------------------------------------|
| DC INPUT | | | | |
| Max. PV input power [W] | 320 to 540+ | 360 to 600+ | 400 to 670+ | 400 to 670+ |
| Max. PV input voltage [V] | | 60 | | |
| MPPT voltage range [V] | | 22-60 | | |
| Start-up voltage [V] | | 22 | | |
| Max. PV input current [A] | 2 × 15 | 2 × 16 | 2 × 20 | 2 × 20 |
| Max. input short circuit current I _{sc} [A] | 2 × 20 | 2 × 25 | 2 × 25 | 2 × 25 |
| No. of MPP trackers | | 2 | | |
| Strings per MPP tracker | | 1 | | |
| AC OUTPUT | | | | |
| Rated AC output power [VA] | 800 | 900 | 1000 | 1200 |
| Maximum continuous output power [VA] | 800 | 900 | 1000 | 1200 |
| Maximum continuous output current [A] | 3.64@220V 3.48@230V 3.34@240V | 4.10@220V 3.92@230V 3.75@240V | 4.55@220V 4.35@230V 4.17@240V | 5.46@220V 5.22@230V 5.00@240V |
| Rated grid voltage/range [V] | | 220 or 230 or 240 / 180-264 | | |
| Nominal AC frequency/range [Hz] | | 50/45-55 or 60/55-65 | | |
| Maximum units per 10AWG branch* | 11@220V 11@230V 12@240V | 9@220V 10@230V 10@240V | 8@220V 9@230V 9@240V | 7@220V 7@230V 8@240V |
| Maximum units per 12AWG branch* | 8@220V 9@230V 9@240V | 7@220V 8@230V 8@240V | 7@220V 7@230V 7@240V | 5@220V 6@230V 6@240V |
| Power Factor range | | >0.99(-0.8~0.8 adjustable) | | |
| THDi (Rated power) [%] | | <3 | | |
| EFFICIENCY | | | | |
| Max. Efficiency | | 96.50% | | |
| Nominal MPPT efficiency | | 99.9% | | |
| Night power consumption [mW] | | < 40 | | |
| STANDARD | | | | |
| Safety | | IEC 62109 | | |
| EMC | | IEC 61000, EN 62920, EN 301489, EN 55011 | | |
| Grid Connection Standard | | IEC 61727, IEC 62116, EN 50549, ORDINANCE No. 140, ORDINANCE NO. 515 | | |
| ENVIRONMENT LIMIT | | | | |
| Ingress protection rating | | IP67 | | |
| Operating ambient temperature range [°C] | | -40 to 65 | | |
| Humidity[%] | | 0 ~ 100 (condensing) | | |
| Storage temperature [°C] | | -40 to 65 | | |
| GENERAL | | | | |
| Dimension(W x H x D) [mm] | | 260 × 212 × 40 | | |
| Weight [kg] | | 4.1 | | |
| Cooling concept | | Natural convection | | |
| Communication | | Built-in Wi-Fi | | |
| Monitoring | | Solax Cloud | | |

* Refer to local requirements for exact number of microinverters per branch.

*V1.6. Information may be subject to modify without notice.
650.00048.00