



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.

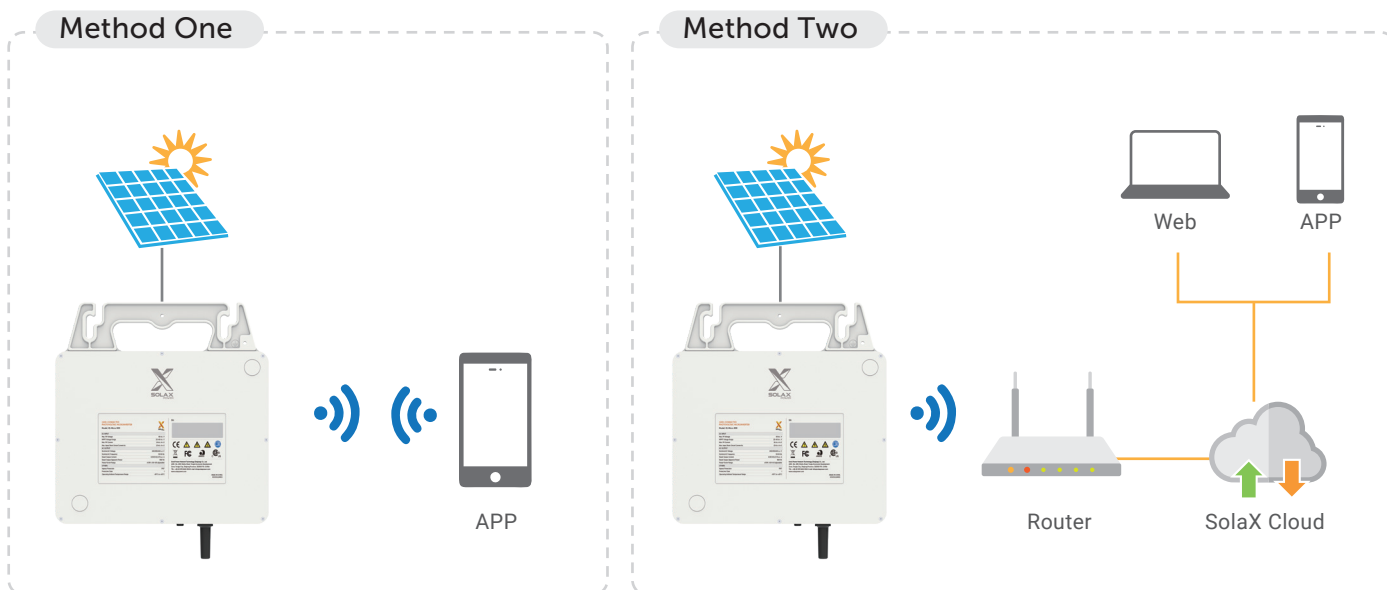


X1-Micro 800 / X1-Micro 900 /
X1-Micro 1000 / X1-Micro 1200

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 × 30	2 × 30
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.

*V1.5. Information may be subject to modify without notice.
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