

Micro-inverter



X1-Micro 2 in 1

750W / 800W / 900W / 1000W / 1200W



High Efficiency

- Max. 1200VA output power
- Max. 20A DC input current
- Two MPPT channels, small size, light weight



Assured Safety

- Built-in Rapid Shutdown compliant
- Safety protection relay integrated
- IP67 protection degree



Intelligent Design

- Reactive power control
- Built-in industrial grade Wi-Fi module
- Easy to install and maintain



Flexible Adaptability

- Easy and flexible expansion of system capacity
- Support AC coupling solution
- Support 1-phase microinverter integration into 3-phase power grids*

*V2.0. Information may be subject to modify without notice. 650.00048.00

	X1-Micro 750	X1-Micro 800	X1-Micro 900	X1-Micro 1000	X1-Micro 1200
DC INPUT					
Commonly used module power per input	240 ~ 470+ W	320 ~ 540+ W	360 ~ 600+ W	360 ~ 600+ W	400 ~ 670+ W
Max. PV input voltage	60 V				
MPPT voltage range	22 ~ 60 V				
Start-up voltage	22 V				
Max. PV input current	2 × 15 A		2 × 16 A		2 × 20 A
Max. input short circuit current I _{sc}	2 × 20 A		2 × 25 A		2 × 25 A
No. of MPPT trackers	2				
Strings per MPPT tracker	1				
AC OUTPUT					
Rated AC output power	750 VA	800 VA	900 VA	1000 VA	1200 VA
Maximum continuous output power	750 VA	800 VA	900 VA	1000 VA	1200 VA
Maximum continuous output current	3.41 A @220 V 3.26 A @230 V 3.13 A @240 V	3.64 A @220 V 3.48 A @230 V 3.34 A @240 V	4.10 A @220 V 3.92 A @230 V 3.75 A @240 V	4.55 A @220 V 4.35 A @230 V 4.17 A @240 V	5.46 A @220 V 5.22 A @230 V 5.00 A @240 V
Rated grid voltage/range	1 / N / PE, 220 / 230 / 240 V				
Nominal AC voltage range	180 ~ 264 V				
Nominal AC frequency	50 Hz / 60 Hz				
AC frequency / range	50 ± 5 Hz / 60 ± 5 Hz				
Maximum units per 10AWG branch*	8 @220 V 8 @230 V 8 @240 V	7 @220 V 8 @230 V 8 @240 V	6 @220 V 7 @230 V 7 @240 V	6 @220 V 6 @230 V 6 @240 V	5 @220 V 5 @230 V 5 @240 V
Maximum units per 12AWG branch*	6 @220 V 6 @230 V 6 @240 V	5 @220 V 5 @230 V 6 @240 V	5 @220 V 5 @230 V 5 @240 V	4 @220 V 5 @230 V 5 @240 V	3 @220 V 4 @230 V 4 @240 V
Power Factor range	~ 1 (0.8 lagging to 0.8 leading)				
THDi (Rated power)	< 3%				
EFFICIENCY					
Max. efficiency	96.50%				
Nominal MPPT efficiency	99.90%				
Night power consumption	< 40 mW				
STANDARD					
Safety	IEC62109-1/-2, IEC63027				
EMC	IEC62920:2017, IEC61000-6-1-2-3-4, IEC61000-3-2, IEC61000-3-3, EN 301489, EN 55011				
Grid connection standard	IEC 61727, IEC 62116, EN 50549-1:2019, ORDINANCE No. 140, ORDINANCE NO. 515, G98, VDE4105, C10/11				
Radio	2014/53/EU (RED), EN 300 328, EN IEC 62311				
ENVIRONMENT LIMIT					
Ingress protection rating	IP67				
Operating ambient temperature range	-40 ~ 65°C				
Humidity	0 ~ 100% RH (condensing)				
Storage temperature	-40 ~ 65°C				
GENERAL					
Dimensions (W x H x D)	260 × 212 × 40 mm				
Weight	4.1 kg				
Cooling concept	Natural convection				
Communication	Built-in Wi-Fi				
Monitoring	SolaX Cloud				

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

Communication Diagram

