

Microinverter



X1-Micro 2 in 1

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



High Efficiency

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



Assured Safety

- Rapid Shutdown function
- Safety protection relay integrated
- IP67 ingress protection



Intelligent Design

- Reactive power control
- Built-in industrial grade WiFi 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 grid*

* Feature to be upgraded in the future

X1-Micro 750
X1-Micro 800
X1-Micro 900
X1-Micro 1000
X1-Micro 1200

PV 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 Isc	2 × 20 A		2 × 25 A	2 × 25 A	
No. of MPP trackers	2				
Strings per MPP tracker	1				
AC OUTPUT					
Rated AC output power	750 VA	800 VA	900 VA	1000 VA	1200 VA
Max. continuous output power	750 VA	800 VA	900 VA	1000 VA	1200 VA
Max. 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	1 / N / PE, 220 / 230 / 240 V				
Rated AC voltage range	180 ~ 264 V				
Rated AC frequency	50 Hz / 60 Hz				
AC frequency / range	50 ± 5 Hz / 60 ± 5 Hz				
Max. 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
Max. units per 12AWG branch*	6 @220 V 6 @230 V 6 @240 V	5 @220 V 6 @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%				
MPPT efficiency	99.90%				
Power consumption (night)	< 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				
Certifications	IEC 61727, IEC 62116, EN 50549-1:2019, ORDINANCE No. 140, ORDINANCE NO. 515, G98, VDE4105, C10/11				
ENVIRONMENT LIMIT					
Ingress protection	IP67				
Operation temperature range	-40 ~ 65°C				
Relative 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	Natrual cooling				
Communication	Built-in WiFi				
Monitoring	SolaXCloud				

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

Communication Diagram

