

Microinverter



X1-Micro 2 in 1 G2

800 W / 1000 W / 1200 W



High Efficiency

- Max. 1200 VA output power
- Max. 18 A DC input current
- Two MPPT channels
- Max. efficiency up to 97%



Assured Safety

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



Intelligent Design

- Reactive power regulation (0.8 leading...0.8 lagging)
- Built-in WiFi communication
- Support zero export function
- Module level monitoring and control
- Remote firmware upgrades, parameter configuration, and fault analysis



Flexible Adaptability

- Plug and play
- Supporting AC coupling solution
- Supporting 1-phase microinverter integration into 3-phase power grid

X1-Micro 800 G2
X1-Micro 1000 G2
X1-Micro 1200 G2

PV INPUT			
Commonly used module power per input	320 ~ 540+ W	400 ~ 670+ W	400 ~ 670+ W
Max. PV input voltage	60 V		
MPPT voltage range	22 - 60 V		
Start-up voltage	20 V		
Max. PV input current	2 × 14 A	2 × 16 A	2 × 18 A
Max. input short circuit current I _{sc}	2 × 20 A	2 × 20 A	2 × 25 A
No. of MPP trackers	2		
Strings per MPP tracker	1		
AC OUTPUT			
Rated AC output power	800 VA	1000 VA	1200 VA
Max. continuous output power	800 VA	1000 VA	1200 VA
Max. continuous output current	3.64 A @220 V 3.48 A @230 V 3.34 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	220 / 230 / 240 V		
Rated AC voltage range	180 ~ 276 V		
Rated AC frequency	50 Hz / 60 Hz		
AC frequency / range	50 ± 5 Hz / 60 ± 5 Hz		
Max. units per 10AWG branch*	7 @220 V 8 @230 V 8 @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	4 @220 V 5 @230 V 5 @240 V	4 @220 V 4 @230 V 4 @240 V
Power factor range	~ 1 (0.8 leading...0.8 lagging)		
THDi (rated power)	< 3%		
EFFICIENCY			
Max. efficiency	97.00%		
MPPT efficiency	99.90%		
Power consumption (night)	< 40 mW		
STANDARD			
Safety	IEC 62109-1/-2, IEC 63027		
EMC	IEC 62920:2017, IEC 61000-6-1-2-3-4, IEC 61000-3-2, IEC 61000-3-3, EN 301489, EN 55011		
Certifications	IEC 61727, IEC 62116, EN 50549-1:2019, G98, VDE 4105, C10/11		
ENVIRONMENT LIMIT			
Ingress protection	IP67		
Operating temperature range	-40 ~ 65°C		
Relative humidity	0 ~ 100% RH (condensing)		
GENERAL			
Dimensions (W x H x D)	234 × 191 × 41 mm		
Weight	3.3 kg		
Cooling concept	Natural cooling		
Communication	WiFi		
Monitoring	SolaXCloud		

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

Communication Diagram

