

# Micro-inverter



## X1-Micro 4 in 1



### High Efficiency

- Max. 2200VA output power
- Max. 20A DC input current
- Four MPPT channels, small size, light weight



### Assured Safety

- Built-in industrial grade Wi-Fi module
- Safety protection relay integrated
- IP67 protection class



### Intelligent Design

- Reactive power control
- Rapid shutdown function
- Easy to install and maintain



### Flexible Adaptability

- Support micro-grid solution
- Support AC coupling solution
- Support 1-phase microinverter integration into 3-phase power grids

DC INPUT						
Commonly used module power per input	300 ~ 505+ W	320 ~ 540+ W	360 ~ 600+ W	400 ~ 600+ 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	4 × 12 A	4 × 14 A	4 × 15 A	4 × 16 A	4 × 18 A	4 × 19.5 A
Max. input short circuit current	4 × 20 A	4 × 20 A	4 × 25 A	4 × 25 A	4 × 25 A	4 × 25 A
No. of MPP trackers	4					
Strings per MPP tracker	1					
AC OUTPUT						
Rated AC output power	1300 VA	1500 VA	1600 VA	1800 VA	2000 VA	2200 VA
Maximum continuous output power	1300 VA	1500 VA	1600 VA	1800 VA	2000 VA	2200 VA
Maximum continuous output current	5.91 A @220 V 5.66 A @230 V 5.42 A @240 V	6.82 A @220 V 6.53 A @230 V 6.25 A @240 V	7.28 A @220 V 6.96 A @230 V 6.67 A @240 V	8.19 A @220 V 7.83 A @230 V 7.50 A @240 V	9.10 A @220 V 8.70 A @230 V 8.34 A @240 V	10.00 A @220 V 9.57 A @230 V 9.17 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*	4@220 V 4@230 V 5@240 V	4@220 V 4@230 V 4@240 V	4@220 V 4@230 V 4@240 V	3@220 V 3@230 V 3@240 V	3@220 V 3@230 V 3@240 V	3@220 V 3@230 V 3@240 V
Maximum units per 12AWG branch*	3@220 V 3@230 V 4@240 V	3@220 V 3@230 V 3@240 V	3@220 V 3@230 V 3@240 V	2@220 V 2@230 V 3@240 V	2@220 V 2@230 V 2@240 V	2@220 V 2@230 V 2@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	99.50%					
Night power consumption	< 40 mW					
STANDARD						
Safety	IEC62109					
EMC	IEC 61000, EN 62920, EN 301489, EN 55011					
Grid connection standard	IEC 61727, IEC 62116, EN 50549, VDE 4105, UNE217001, UNE217002, RD244/647, NTS Version 2.1 TYPE A, INMETRO, PEA/MEA					
ENVIRONMENT LIMIT						
Ingress protection rating	IP67					
Operating ambient temperature range	-40 ~ 75°C					
Humidity	0 ~ 100% RH (condensing)					
Storage temperature	-40 ~ 75°C					
GENERAL						
Dimensions (W x H x D)	322 × 242 × 48.5 mm					
Weight	6.2 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

