

Micro-inverter



X1-Micro 4 in 1

1300W / 1500W / 1600W / 1800W
2000W / 2200W / 2400W



High Efficiency

- Max. 2400VA output power
- Max. 19.5A DC input current
- Four 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*

* Feature to be upgraded in the future

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	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 x 12 A	4 x 14 A	4 x 15 A	4 x 16 A	4 x 18 A	4 x 19.5 A	4 x 19.5 A
Max. input short circuit current	4 x 20 A	4 x 20 A	4 x 20 A	4 x 20 A	4 x 20 A	4 x 20 A	4 x 20 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	2400 VA
Maximum continuous output power	1300 VA	1500 VA	1600 VA	1800 VA	2000 VA	2200 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	10.91 A @220 V 10.43 A @230 V 10.00 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*	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	2@220 V 2@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	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	99.90%						
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 x 242 x 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

