

SINCE  
1998

**solaire**  
A Lagnuvo Initiative

# Solaire X1 ZIP



## FEATURES

### Upgraded Performance

- DC Input: 200% oversizing, 20A current, 50~550V wider MPPT voltage range
- In-built global MPP scan for higher yields

### Optimized Monitoring

- 10s level interval of data update (Optional)
- Multiple interfaces for presenting data

### Advanced Safety

- AC/DC built-in Type II SPD (Optional) and I-V curve diagnosis supported
- Support external Rapid Shutdown Device (RSD)
- Optional ARC detection (AFCI)
- Built-in export control function

### Flexible Adaptability

- Adapt to Home EV Charger Solution
- Mass management and broad extension via Datahub
- Extendable parallel solution via Modbus supported



	2.0K	2.5K	3.0K	3.3K	3.7K	4.0K
<b>DC INPUT</b>						
Max. PV array input power [Wp]	4000	5000	6000	6600	7400	8000
Max. PV input voltage [V]	450	550	550	550	550	550
Startup voltage [V]	50	50	50	50	50	50
Nominal input voltage [V]	360	360	360	360	360	360
MPP tracker voltage range [V]	40~450	40~550	40~550	40~550	40~550	40~550
No. of MPP trackers / Strings per MPP tracker	1/1					
Max. PV input current [A]	20 A					
Isc PV Array Short Circuit current [A]	25A					
<b>AC OUTPUT</b>						
Rated AC output power [W]	2000	2500	3000	3300	3700	4000
Rated AC output current [A]	8.7	10.9	13.1	14.4	16.1	17.4
Max. AC output apparent power [VA]	2200	2750	3300	3300	3700	4000
Max. AC output current [A]	10	12.5	15	15	18.5	20
Nominal AC voltage/AC voltage range [V]**	220/230/240;90~290			220/230/240;90~285		
Nominal AC frequency/AC frequency range [Hz]**	50/60;±5					
Power Factor range	0.8 leading~0.8 lagging					
THDi (Rated power) [%]	<3					
<b>SYSTEM DATA</b>						
Max. efficiency [%]	98	98	98	98	98	98
Euro. efficiency [%]	97	97	97	97	97	97
Standby consumption [W] @Night	<1					
Ingress protection	IP66					
Protection class	Class I					
Over voltage category	II (DC),III (AC)					
Operating ambient temperature range [°C]	-25~60					
Max. operation altitude [m]	<4000					
Humidity [%]	0~100					
Typical noise emission [dB]	25					
Storage temperature [°C]	-30~70					
Dimensions (W×H×D) [mm]	290x206x120					
Weight [kg]	5.2	5.5	5.5	5.5	5.5	5.5
Cooling concept	Natural cooling					
Communication interfaces	USB/RS485/DRM, Optional: Meter/CT *					
Optional monitoring dongle	Pocket WiFi/LAN/4G					
Display	2 x LED + LCD(16 x 2) / APP					
<b>PROTECTION</b>						
Over/under voltage protection	Yes					
DC isolation protection	Yes					
Monitoring ground fault protection	Yes					
Grid monitoring	Yes					
DC injection monitoring	Yes					
Back feed current monitoring	Yes					
Residual current detection	Yes					
Anti-islanding protection	Yes					
Over temperature protection	Yes					
SPD (DC/AC)	Type II / Type II (Optional)					
Arc-fault circuit interrupter (AFCI)	Optional					
AC auxiliary power supply (APS)	Optional					
DC Switch	Optional					
<b>STANDARD</b>						
Safety	EN/IEC62109-1/2					
EMC	EN61000-6-1/2/3/4; EN61000-3-2/3/11/12					
Certification	IEC61727, EN50549, G98/G99, AS 4777.2, VDE4105, CEI 0-21, VFR					

\* Not included in the package. Please purchase additionally.

\*\* V.F. Information may be subject to modification.