

NEW FROM SOLAX

X1-SMART G2



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5KW / 6kW / 7kW
8kW / 9kW / 10kW

Features

Advanced performance

- 3 MPP trackers for multi-orientation installation
- Max. PV input current 20A compatible with advanced high-power panels
- 200% PV oversizing, and 110% AC overloading

User-friendly O&M

- Super convenient and quick plug-play communication terminal
- Aluminum AC wires supported
- 10s data refresh interval with new Cloud interface
- 24h consumption monitoring

Adaptable and Multifunctional

- Multiple units in parallel for larger system
- Global MPP scan to yield more
- Fast I-V curve scan and report for earlier panel issue diagnosis
- Home EV Charger and Heat Pump Solution adaptable

Robust safety protection

- Optional external RSD (Rapid Shut Down) and integrated DC AFCI protection (Optional)
- DC/AC both sides SPD2 protection (Optional modules to meet certification IEC/EN61643)
- Support 2030.5 and flexible control

Contact Us for More Information

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X1-SMART G2

X1-SMT-5K-G2

X1-SMT-6K-G2

X1-SMT-7K-G2

X1-SMT-8K-G2

X1-SMT-9K-G2

X1-SMT-10K-G2

DC INPUT

Max. PV input power [Wp]	10000	12000	14000	16000	18000	20000
Max. PV input voltage [V]	600					
Start-up voltage [V]	50					
Nominal input voltage [V]	360					
MPPT voltage range [V]	40~560					
No. of MPP trackers / Strings per MPP tracker	3/1					
Max. PV input current[A]	20					
Max. input short circuit current I _{sc} [A]	25					

AC OUTPUT

Rated AC output power [W]	4999	6000	7000	8000	9000	9999
Rated Apparent Power [VA]	4999	6000	7000	8000	9000	9999
Max. AC output apparent power [VA]	4999	6600	7700	8800	9900	9999
Rated AC output current [A]	21.8	26.1	30.5	34.8	39.2	43.5
Max. AC output current [A]	22.8	30	35	40	45	45.5
Nominal AC voltage/Grid voltage range [V]	220/230/240; (90~290 V)					
Nominal grid frequency/Grid frequency range [Hz]	50/60; ±5					
Power Factor range	0.8 leading ~ 0.8 lagging					
THDi (Rated power) [%]	<3					

SYSTEM DATA

Max. Efficiency [%]	98.2					
European weighted efficiency [%]	97.5					
Standby consumption (night) [W]	<3					
Ingress protection	IP66					
Operating ambient temperature range [°C]	-25~60					
Max. operating altitude [m]	4000					
Relative humidity [%]	0~100					
Typical noise emission [dB]	<30					
Dimensions(WxHxD) [mm]	515x370x170					
Net weight [kg]	19.5					
Cooling concept	Natural cooling					
Communication interfaces	RS485/DRM/USB/CT/Meter*					
Optional monitoring dongle	WiFi/LAN/4G/WiFi+LAN/WiFi+4G					

PROTECTION

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					
Arc-fault circuit interrupter(AFCI)	Optional					
AC auxiliary power supply(APS)	Optional					
DC Switch	Yes					

STANDARD

Safety	IEC/EN 62109-1/-2					
EMC	EN61000-6-1/2/3/4, EN61000-3-2/3/11/12					
Certification	AS 4777.2:2020, G99, INMETRO, IEC61727					

*Please refer to the actual delivery for the Meter and CT

* V1.0. Information may be subject to modify without notice.650.00059.00