

NEW FROM SOLAX

X1 SMART G2



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8kW / 10kW

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Features

Superior Performance

- DC Input: 200% oversizing, 20A current, 50V startup voltage
- In-built global MPP scan for higher yield efficiency

User Friendly Monitoring

- 10s level interval of data update (Optional)
- Quick and easy configuration (WiFi)

Assured Safety & Reliability

- AC/DC built-in Type II SPD (Optional) and I-V curve diagnosis supported
- Optional external RSD (Rapid Shut Down) and integrated DC AFCI protection (Optional)
- In-built export control function

Superb Adaptability

- Home EV Charger and Heat Pump Solution adaptable
- Mass management and broad extension via Datahub
- Master/Slave parallel solution via Modbus supported

Contact Us for More Information

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DC INPUT

Max. PV array input power [Wp]	16000	20000
Max. PV input voltage [V]	600	600
Startup voltage [V]	50	50
Nominal input voltage [V]	360	360
MPP tracker voltage range [V]	40~560	40~560
No. of MPP trackers / String per MPP tracker	3 / 1	
Max. input current per MPPT [A]	20 / 20	
Max. short circuit current per MPPT [A]	30 / 30	

AC OUTPUT

Nominal AC output power [W]	8000	9999
Nominal AC output current [A]	8800	9999
Max. AC output apparent power [VA]	34.8	43.4
Max. AC output current [A]	40	45.5
Nominal AC voltage / Grid voltage range [V]	220 / 230 / 240; (90-290)	
Nominal grid frequency / Grid frequency range [Hz]	50 / 60	
Displacement power factor	0.8 leading~0.8 lagging	
THDi (Rated power) [%]	<3	

SYSTEM DATA

Max. Efficiency [%]	98.2	98.2
Euro. Efficiency [%]	97.5	97.5
Standby consumption [W] @Night	<3	
Ingress protection	IP66	IP66
Operating temperature range [°C]	-25~60	
Max. operation altitude [m]	4000	
Relative humidity [%]	0~100	
Typical noise emission [dB]	30	
Storage temperature [°C]	-30~70	
Dimensions (W x H x D) [mm]	450x280x160	
Weight [kg]	18	
Cooling concept	Natural Cooling	
Communication interfaces	Pocket WiFi / (Optional: Pocket LAN / 4G) / RS485 / DRM / USB / (Optional: CT/Meter)	

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

STANDARD

Safety	IEC / EN 62109-1 / -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, PPDS, TOR