

# NEW FROM SOLAX

## X1-SMART G2



### X1-SMART G2

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 monitor each PV string for higher efficiency**
- Fast I-V curve scan and report for earlier panel issue diagnosis
- Home EV Charger and Heat Pump Solution adaptable
- **Support zero-export function with Ct/Meter**

### 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 Isc [A]      | 25     |       |       |       |       |       |

## AC OUTPUT

|                                                  |                                  |      |      |      |      |       |
|--------------------------------------------------|----------------------------------|------|------|------|------|-------|
| Rated AC output power [W]                        | 4999                             | 6000 | 7000 | 8000 | 9000 | 10000 |
| Rated Apparent Power [VA]                        | 4999                             | 6000 | 7000 | 8000 | 9000 | 10000 |
| Max. AC output apparent power [VA]               | 4999                             | 6600 | 7700 | 8800 | 9900 | 10000 |
| 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, L/N/PE; ( 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/APP |

## PROTECTION

|                                     |                 |
|-------------------------------------|-----------------|
| Over/under voltage protection       | Yes             |
| DC isolation protection             | Yes             |
| Monitoring ground fault protection  | Yes             |
| AC Output short circuit protection  | Yes             |
| DC injection monitoring             | Yes             |
| DC reverse protection               | Yes             |
| Leakage current protection          | 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, IEC 62116, IEC 61683, IEC 60068 |

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

\* V1.0. Information may be subject to modify without notice.650.00059.00  
Manufactured in China