

# NEW FROM SOLAX

## X3-PRO G2



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8kW/10kW/12kW/15kW  
17kW/20kW/25kW/30kW

## Features

### High-efficiency

- Maximum efficiency is up to 98.5%
- Low startup voltage, ultrawide MPPT voltage range
- 150% DC oversizing, 110% AC overloading output
- In-built global MPP scan for higher yield efficiency

### Safe

- SPD type II protection on both AC&DC
- ARC protection (Optional)
- IP66 protection

### Smart

- Built-in export power control
- Intelligent load management - heat pump (Adapter Box required)
- 24h monitoring and maintenance (Optional)
- Multiple monitoring methods supported, Optional: WiFi/LAN/4G

### Economic

- Ultra-high power density
- Maximum 32A DC input current per MPP tracker, support high power solar panels
- Up to 3 MPPTs, 2 strings per MPPT
- Support Master/Slave parallel function

### Contact Us For More Information

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## DC INPUT

|                                        |         |       |       |       |       |       |          |          |
|----------------------------------------|---------|-------|-------|-------|-------|-------|----------|----------|
| Max. PV array input power [Wp]         | 12000   | 15000 | 18000 | 22500 | 25500 | 30000 | 37500    | 45000    |
| Max. PV input voltage [V]              | 1100    | 1100  | 1100  | 1100  | 1100  | 1100  | 1100     | 1100     |
| Start startup voltage [V]              | 200     | 200   | 200   | 200   | 200   | 200   | 200      | 200      |
| Nominal input voltage [V]              | 650     | 650   | 650   | 650   | 650   | 650   | 650      | 650      |
| MPP tracker voltage range [V]          | 160~980 |       |       |       |       |       |          |          |
| No. of MPP trackers                    | 2       | 2     | 2     | 2     | 2     | 2     | 3        | 3        |
| Strings per MPP tracker                | 2       | 2     | 2     | 2     | 2     | 2     | 2        | 2        |
| Max. PV input current [A]              | 32/32   | 32/32 | 32/32 | 32/32 | 32/32 | 32/32 | 32/32/32 | 32/32/32 |
| Isc PV Array Short Circuit current [A] | 40/40   | 40/40 | 40/40 | 40/40 | 40/40 | 40/40 | 40/40/40 | 40/40/40 |

## AC OUTPUT

|                                                |                                           |                    |           |                    |           |         |           |                    |
|------------------------------------------------|-------------------------------------------|--------------------|-----------|--------------------|-----------|---------|-----------|--------------------|
| Rated AC output power [kW]                     | 8000                                      | 10000 <sup>①</sup> | 12000     | 15000 <sup>②</sup> | 17000     | 20000   | 25000     | 30000 <sup>③</sup> |
| Rated AC output current [A]*                   | 12.2/11.6                                 | 15.2/14.5          | 18.2/17.4 | 22.8/21.8          | 25.8/24.7 | 30.3/29 | 37.9/36.3 | 45.5/43.5          |
| Max. AC output apparent power [VA]             | 8800                                      | 11000 <sup>③</sup> | 13200     | 16500 <sup>②</sup> | 18700     | 22000   | 27500     | 30000 <sup>③</sup> |
| Max. AC output current [A]                     | 13.2                                      | 16                 | 19.3      | 24.2               | 27.5      | 33.6    | 41.8      | 45.5               |
| Nominal AC voltage/AC voltage range [V]**      | 220/380V, 230/400V, 3/N/PE, 3/PE; 95-285V |                    |           |                    |           |         |           |                    |
| Nominal AC frequency/AC frequency range [Hz]** | 50/60; ±5                                 |                    |           |                    |           |         |           |                    |
| Power Factor range                             | 0.8 leading ~ 0.8 lagging                 |                    |           |                    |           |         |           |                    |
| THDi (Rated power) [%]                         | <3                                        |                    |           |                    |           |         |           |                    |

## SYSTEM DATA

|                                          |                                    |       |       |       |                   |       |       |       |
|------------------------------------------|------------------------------------|-------|-------|-------|-------------------|-------|-------|-------|
| Max. efficiency [%]                      | 98.20                              | 98.20 | 98.20 | 98.30 | 98.30             | 98.30 | 98.50 | 98.50 |
| Euro efficiency [%]                      | 97.70                              | 97.70 | 97.70 | 97.80 | 97.80             | 97.80 | 98.00 | 98.00 |
| Standby consumption (Night) [W]          | <3                                 |       |       |       |                   |       |       |       |
| Ingress protection                       | IP66                               |       |       |       |                   |       |       |       |
| Operating ambient temperature range [°C] | -30~+60                            |       |       |       |                   |       |       |       |
| Max. operation altitude [m]              | 4000                               |       |       |       |                   |       |       |       |
| Relative humidity [%]                    | 0~100                              |       |       |       |                   |       |       |       |
| Typical noise emission [dB]              | <35                                | <35   | <35   | <55   | <55               | <55   | <55   | <58   |
| Storage temperature [°C]                 | -30~+60                            |       |       |       |                   |       |       |       |
| Dimensions (WxHxD) [mm]                  | 482x417x186                        |       |       |       |                   |       |       |       |
| Weight [kg]                              | 24.5                               |       |       |       | 26                |       | 28    |       |
| Cooling concept                          | Natural cooling                    |       |       |       | Smart fan cooling |       |       |       |
| Communication interfaces                 | USB / RS485 / DRM, Optional: Meter |       |       |       |                   |       |       |       |
| Optional monitoring dongle               | Pocket WiFi/LAN/4G                 |       |       |       |                   |       |       |       |
| Display                                  | 2 x LED + LCD (16 x 2) / APP       |       |       |       |                   |       |       |       |

## PROTECTION

|                                      |                   |  |  |  |  |  |  |  |
|--------------------------------------|-------------------|--|--|--|--|--|--|--|
| Over/under voltage protection        | YES               |  |  |  |  |  |  |  |
| DC isolation protection              | YES               |  |  |  |  |  |  |  |
| Grid monitoring                      | YES               |  |  |  |  |  |  |  |
| DC injection monitoring              | YES               |  |  |  |  |  |  |  |
| Residual current detection           | YES               |  |  |  |  |  |  |  |
| Anti-islanding protection            | YES               |  |  |  |  |  |  |  |
| Over Temp protection                 | YES               |  |  |  |  |  |  |  |
| SPD (DC/AC)                          | Type II / Type II |  |  |  |  |  |  |  |
| AC auxiliary power supply (APS)      | Optional          |  |  |  |  |  |  |  |
| Arc-fault circuit interrupter (AFCI) | Optional          |  |  |  |  |  |  |  |

## STANDARD

|               |                                                                                                          |  |  |  |  |  |  |  |
|---------------|----------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| Safety        | IEC/EN 62109-1; IEC/EN 62109-2; NB/T 32004                                                               |  |  |  |  |  |  |  |
| EMC           | EN IEC 61000-6-1/2/3/4, EN IEC 61000-3-2/11, EN 61000-3-3/12, EN 55011, EN 62920IEC/EN 61000; NB/T 32004 |  |  |  |  |  |  |  |
| Certification | VDE4105, EN 50549, AS 4777.2, IEC 61727, IEC 62116, IEC 61683, IEC 60068, EN 50530, NB/T 32004           |  |  |  |  |  |  |  |

\* The two data refer to different grid voltage 220V/230V

\*\* The AC voltage and the frequency range may vary from different country codes

①9999 for AS4777.2 ②14999 for AS4777.2 ③29999 for AS4777.2

\*V2.6. Information may be subject to modify without notice. 650.00004.00