

NEW FROM SOLAX

X1-BOOST G4



X1-BOOST G4

2.5kW / 3.0kW / 3.3kW / 3.6kW
4.0kW / 4.2kW / 5.0kW / 6.0kW

Features

Superior Performance

- DC Input: 200% oversizing, 16A current, 50V startup voltage
- In-built global MPP scan for higher yield efficiency

User Friendly Monitoring

- 10s level interval of data update(Optional, new WiFi dongle required)
- Quick and easy configuration (WiFi&APP)

Assured Safety & Reliability

- AC/DC built-in Type II SPD (Optional) and I-V curve diagnosis supported
- Optional external RSD (Rapid Shutdown) 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] | 6000 | 6000 | 6600 | 7200 | 8000 | 8000 | 10000 | 12000 |
| Max. PV input voltage [V] | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 |
| Startup voltage [V] | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Nominal input voltage [V] | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
| MPP tracker voltage range [V] | 40~560 | 40~560 | 40~560 | 40~560 | 40~560 | 40~560 | 40~560 | 40~560 |
| No. of MPP trackers / String per MPP tracker | 2 / 1 | | | | | | | |
| Max. PV input current[A] | 16 / 16 | | | | | | | |
| Isc PV Array Short Circuit current [A] | 22 / 22 | | | | | | | |

AC OUTPUT

| | | | | | | | | |
|---|-----------------------|------|------|-------------------|-------------------|------|-------------------|------|
| Rated AC output power [W] | 2500 | 3000 | 3300 | 3680 | 4000 | 4200 | 5000 ^① | 6000 |
| Rated AC output current [A] | 10.9 | 13.1 | 14.4 | 16 | 17.4 ^⑥ | 18.3 | 21.7 | 26.1 |
| Max. AC output apparent power [VA] | 2750 | 3300 | 3630 | 4048 ^④ | 4000 | 4620 | 5000 ^② | 6000 |
| Max. AC output current [A] | 12 | 14.4 | 15.8 | 17.6 ^⑤ | 17.4 ^⑥ | 20.1 | 21.7 ^③ | 27.3 |
| Nominal AC voltage / AC voltage range [V] ** | 220/230/240;90~290 | | | | | | | |
| Nominal AC frequency / AC frequency range [Hz] ** | 50/60;±5 | | | | | | | |
| Power Factor range | 0.8leading~0.8lagging | | | | | | | |
| THDi (rated power) [%] | <3 | | | | | | | |

SYSTEM DATA

| | | | | | | | | |
|--|-------------------------------------|--|--|--|--|--|--|--|
| Max. Efficiency [%] | 98 | | | | | | | |
| Euro. Efficiency [%] | 97 | | | | | | | |
| Standby consumption [W] @Night | <3 | | | | | | | |
| Ingress protection | IP66 | | | | | | | |
| Operating ambient temperature range [°C] | -25~60 | | | | | | | |
| Max. operation altitude [m] | 4000 | | | | | | | |
| Relative humidity [%] | 0~100 | | | | | | | |
| Typical noise emission [dB] | 25 ^⑦ | | | | | | | |
| Storage temperature [°C] | -30~70 | | | | | | | |
| Dimensions (W x H x D) [mm] | 404x274x146 | | | | | | | |
| Weight [kg] | 11 | | | | | | | |
| 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 | | | | | | | |

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 (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 | | | | | | | |

① 5000 (4600 for VDE4105, 4999 for AS4777.2) ② 5000 (4600 for VDE4105, 4999 for AS4777.2) ③ 21.7 (20 for VDE4105) ④ 4048 (3680 For G98/G99, TOR and PPDS) ⑤ 17.6 (16 For G98/G99, TOR and PPDS)

⑥ For models with internal fan(Optional), typical noise emission is 30 dB

* Not included in the package. Please purchase additionally. ** The AC voltage and the frequency range may vary from different country codes.

* V1.4. Information may be subject to modify without notice.650.00029.00