

NEW FROM SOLAX

**X3-MIC-G2**



## X3-MIC-G2

3.0kW/4.0kW/5.0kW/6.0kW  
8.0kW/10.0kW/12.0kW/15.0kW

## Features

### High-efficiency

- Maximum efficiency is up to 98.3%
- Low startup voltage, ultrawide MPPT voltage range
- 200% oversizing, 110% overloading output (Except 15kW model)
- In-built global MPP scan for higher yield efficiency

### Safe

- IP66 protection
- Integrated SPD protection on both AC&DC

### Smart

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

### Economic

- Ultra-high power density
- Max. MPP current per string is 16A, support high power solar panels

For More Information Contact Us

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## DC INPUT

Max. PV array input power [Wp]	6000	8000	10000	12000	16000	20000	24000	30000
Max. PV input voltage [V]	1000	1000	1000	1000	1000	1000	1000	1000
Startup voltage [V]	150	150	150	150	150	150	150	150
Nominal input voltage [V]	640	640	640	640	640	640	640	640
MPP tracker voltage range [V]	120~980	120~980	120~980	120~980	120~980	120~980	120~980	120~980
No. of MPP trackers/Strings per MPP tracker	2(1/1)	2(1/1)	2(1/1)	2(1/1)	2(1/1)	2(1/1) <sup>①</sup>	2(2/1)	2(2/1)
Max. PV input current[A]	16/16	16/16	16/16	16/16	16/16	16/16 <sup>①</sup>	32/16	32/16
Isc PV Array Short Circuit current [A]	20/20	20/20	20/20	20/20	20/20	20/20 <sup>①</sup>	40/20	40/20

## AC OUTPUT

Rated AC output power [W]	3000	4000	5000	6000	8000	10000	12000	15000
Rated AC output current [A]*	4.6/4.4	6.1/5.8	7.6/7.3	9.1/8.7	12.2/11.6	15.2/14.5	18.2/17.4	22.7/21.8
Max. AC output apparent power [VA]	3300	4400	5500	6600	8800	11000	13200	15000
Max. AC output current [A]	4.8	6.4	8.0	9.6	12.8	16.0	19.1	22.7
Nominal AC voltage/AC voltage range [V]**	220/380V, 230/400V, 3/N/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 [%]	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
Euro efficiency [%]	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
Standby consumption (night) [W]	<3							
Ingress protection	IP66							
Operating ambient temperature range [°C]	-30~+60(Derating above 45)							
Max. operation altitude [m]	4000(Derating above 3000)							
Relative humidity [%]	0~100							
Typical noise emission [dB]	<30	<30	<30	<30	<45	<45	<50	<50
Storage temperature [°C]	-30~+60							
Dimensions (WxHxD) [mm]	342*434*144.5				342*434*156			
Weight [kg]	15.5	15.5	15.5	15.5	17	17	18	18
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
DC reverse 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 III / Type III
Arc-fault circuit interrupter (AFCI)	Optional
AC auxiliary power supply (APS)	Optional

## STANDARD

Safety	IEC/EN 62109-1; IEC/EN 62109-2; NB/T 32004
EMC	IEC/EN 61000; NB/T 32004
Certification	VDE4105; EN 50549; AS 4777.2; VDE4105; IEC 61727; IEC 62116; IEC 61683; IEC 60068; EN 50530; NB/T 32004

① Input 1 is optional with two strings(Max. input current: 32A, Max. short circuit current: 40A)

\*V2.4. Information may be subject to modify without notice. 650.00003.00

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

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