



# NEW FROM SOLAX

## X3-MIC G2



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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)
- Built-in shadow tracking function

### Safe

- IP66 protection
- Integrated SPD

### Smart

- Built-in export power control
- Remote setting and upgrading
- 24 hours operation monitoring
- Intelligent load management - heat pump (Optional)
- Multiple monitoring methods, Pocket Wi-Fi/LAN/4G (Optional)

### Economic

- Ultra-high power density
- Maximum 16A DC input current, support high power solar panel

For More Information Contact Us

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# X3-MIC G2 (THREE PHASE)

|                                             | X3-MIC-3K-G2                                                                                            | X3-MIC-4K-G2 | X3-MIC-5K-G2 | X3-MIC-6K-G2 | X3-MIC-8K-G2      | X3-MIC-10K-G2 | X3-MIC-12K-G2 | X3-MIC-15K-G2 |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|-------------------|---------------|---------------|---------------|
| 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           |
| Rated 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)        | 2(2/1)        | 2(2/1)        |
| Max. input current[A]                       | 16/16                                                                                                   | 16/16        | 16/16        | 16/16        | 16/16             | 16/16         | 32/16         | 32/16         |
| Max. short circuit current[A]               | 18/18                                                                                                   | 18/18        | 18/18        | 18/18        | 18/18             | 18/18         | 36/18         | 36/18         |
| AC OUTPUT                                   |                                                                                                         |              |              |              |                   |               |               |               |
| Rated AC output power [W]                   | 3000                                                                                                    | 4000         | 5000         | 6000         | 8000              | 10000         | 12000         | 15000         |
| Rated AC output apparent power [VA]         | 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          |
| Rated AC voltage [V]                        | 220/380V, 230/400V, 3/N/PE                                                                              |              |              |              |                   |               |               |               |
| Rated / Grid frequency [Hz]                 | 50/60                                                                                                   |              |              |              |                   |               |               |               |
| Displacement power factor                   | 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 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 / Pocket WiFi (Optional: Pocket LAN/4G) / Adapter box(Optional)                       |              |              |              |                   |               |               |               |
| 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                                                                                     |              |              |              |                   |               |               |               |
| STANDARD                                    |                                                                                                         |              |              |              |                   |               |               |               |
| Safety                                      | IEC/EN 62109-1; IEC/EN 62109-2; NB/T 32004                                                              |              |              |              |                   |               |               |               |
| EMC                                         | IEC/EN 61000; NB/T 32004                                                                                |              |              |              |                   |               |               |               |
| Cetification                                | VDE4105; EN 50549; AS 4777.2; VDE4105; IEC 61727; IEC 62116; IEC 61683; IEC 60068; EN 50530; NB/T 32004 |              |              |              |                   |               |               |               |