

# X1-LX

## SINGLE PHASE DUAL MPPT



X1-LX

X1-LX are high quality economy dual MPPT inverters offering efficiency and reliability.

The single phase dual MPPT inverters boast a wide voltage range to allow for more energy harvesting and at 97.6% have the highest maximum efficiency available on the market today.

In addition, all SolaX single phase inverters are IP65 rated and have no internal fan.

### Key features

- X High MPPT efficiency up to 99.9%
- X Max DC to AC efficiency up to 97.6%
- X Fanless design, quiet, low maintenance cost and long life span.
- X Load control function
- X Integrated DC switch.
- X Integrated WIFI and cabling function with free monitoring system.



X1-LX 3600  
X1-LX 4600  
X1-LX 5200



Monitor your system day and night in real time via the X-Cloud.

All SolaX Hybrid inverters come with WiFi as standard.

For more information

[www.solaxpower.com](http://www.solaxpower.com) / +86 0571-56260011

# TECHNICAL DATA

## X1-LX



| MODEL   | X1-LX 3600  | X1-LX 4600 | X1-LX 5200 |
|---|---|------------|------------|
| <b>INPUT DC</b>                                     |   |            |            |
| Max. DC input power [W]                             | 4000  | 4600       | 5200       |
| Max. PV voltage [V]                                 | 550   |            |            |
| Rated input voltage [V]                             | 360   |            |            |
| Max. DC input current per string[A]                 | 12/12   | 12/12      | 12/12      |
| Max. DC short-circuit per input [A]                 | 15/15   | 15/15      | 15/15      |
| MPPT voltage range [V]                              | 125-530   | 125-530    | 125-530    |
| Start input voltage [V]                             | 100   | 100        | 100        |
| Start output voltage [V]                            | 150   | 150        | 150        |
| Shut down voltage[V]                                | 70  | 70         | 70         |
| No. of MPPT inputs                                  | 2   | 2          | 2          |
| No. of strings per MPPT input                       | 1   | 1          | 1          |
| DC switch   | Optional  |            |            |
| <b>Output (AC)</b>                                  |   |            |            |
| Rated output power [W]                              | 3680  | 4200       | 4600       |
| Rated grid voltage (Range) [V]                      | 220/230/240 (180 to 280)  |            |            |
| Rated grid frequency (Range) [Hz]                   | 50 (45 to 55) / 60 (55 to 65)                                       |            |            |
| Nominal AC current [A]                              | 16  | 18         | 20         |
| Max. output current [A]                             | 16  | 20         | 22         |
| Total harmonic distortion [THD]                     | <3%   |            |            |
| Maximum output overcurrent protection [A]           | 25  |            |            |
| Displacement power factor, adjustable               | 0.9 leading to 0.9 lagging  |            |            |
| Feed in phase                                       | Single-phase  |            |            |
| Over voltage category                               | III (electric supply side), II (PV side)                            |            |            |
| <b>Efficiency</b>                                   |   |            |            |
| MPPT efficiency                                     | 99.9%   | 99.9%      | 99.9%      |
| Euro-efficiency                                     | 97.0%   | 97.0%      | 97.0%      |
| Max. efficiency                                     | 97.6%   | 97.6%      | 97.6%      |
| <b>Safety and Protection</b>                        |   |            |            |
| Over voltage/under voltage protection               | Yes   |            |            |
| DC isolation impedance monitoring                   | Yes   |            |            |
| Grid monitoring                                     | Yes   |            |            |
| Ground fault current monitoring                     | Yes   |            |            |
| DC injection monitoring                             | Yes   |            |            |
| Residual current detection                          | Yes   |            |            |
| Anti-islanding protection                           | Yes   |            |            |
| Overload protection                                 | Yes   |            |            |
| Overheat protection                                 | Yes   |            |            |
| <b>Others</b>                                       |   |            |            |
| Dimension (W/H/D) [mm]                              | 384 x 462 x 152.5   |            |            |
| Dimension of packing (W/H/D) [mm]                   | 504 x 614 x 234   |            |            |
| Weight [kg]   | 17  |            |            |
| Gross weight [kg]                                   | 20  |            |            |
| Cooling concept                                     | Natural cooling   |            |            |
| Noise emission[dB]                                  | <25   |            |            |
| Operating temperature range [°C]                    | -20~+60 (derating at 45)  |            |            |
| Store temperature [°C]                              | -20~+60   |            |            |
| Max. permissible relative humidity (non-condensing) | 0%~90%  |            |            |
| Altitude [m]  | <2000   |            |            |
| Degree of protection                                | IP65  |            |            |
| Topology  | Transformer-less  |            |            |
| Internal consumption [W]                            | <3  |            |            |
| LCD display   | Backlight 16*4 character  |            |            |
| Communication interface                             | Ethernet / WIFI / Dry contact / I/O(Optional)/Smart meter(Optional) |            |            |
| Standard warranty                                   | 5 year  |            |            |