



**X1
NEW**



SOLAX SOLAR INVERTER

X1-LX 3600 / 4600 / 5200

Export Control & Cable Monitoring

SINGLE PHASE DUAL MPPT

High performance

- High MPPT efficiency up to 99.9%
- Max DC to AC efficiency up to 97.6%
- Dual MPP trackers can work either independently or parallel.
- Wide MPPT working range.

Flexibility and reliability

- Fanless design, quiet, low maintenance cost and long life span.
- High protection class IP65 for indoor and outdoor use.
- Easy installation, hang and fix, no need to align to the hole.
- Power factor adjustable.
- Export control, no impact to the grid
- Load control function (with an optional I/O card and sockets) reducing the energy cost.

User-friendly

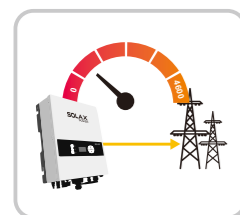
- Integrated DC switch.
- Integrated WIFI and cabling function with free monitoring system.
- Professional settings with multilayer password management.
- Easy upgrading via the ethernet port.



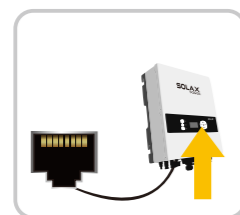
Load Remote Control



Internal WIFI & Remote Monitoring



Export Control to the Grid



Easy Upgrading via Ethernet Port

Technical Data

Model	X1-LX 3600	X1-LX 4600	X1-LX 5200
► Input(DC)			
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	
► Output (AC)			
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)	
► Efficiency			
MPPT efficiency	99.9%	99.9%	99.9%
Euro-efficiency	97.0%	97.0%	97.0%
Max. efficiency	97.6%	97.6%	97.6%
► Safety and Protection			
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	
► Others			
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		Standard 5 years	