



**X1
NEW**



SOLAX SOLAR INVERTER

X1-LX2200 / 3300 / 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 tracker can work either independently or parallel.
- Wide MPPT working range.

Flexibility and reliability

- Fanless design, quiet, low maintenance 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

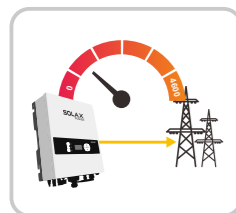
- Integrated DC switch.
- Integrated WIFI and cabling function with free monitoring system.
- Professional settings with multilayer password management.
- Easy upgrading via the ethernet port.



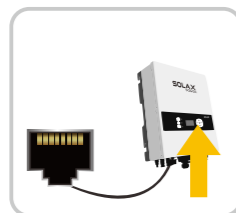
Load Remote Control



Internal WIFI & Remote Monitoring



Export Control to the Grid



Easy Upgrading via Ethernet Port

Technical Data

Model	X1-LX 2200	X1-LX 3300	X1-LX 3600	X1-LX 4600	X1-LX 5200
► Input(DC)					
Max. DC input power [W]	2200	3300	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	12/12
Max. DC short-circuit per input [A]	15	15	15/15	15/15	15/15
MPPT voltage range [V]	125-530	125-530	125-530	125-530	125-530
Start input voltage [V]	100	100	100	100	100
Shut down voltage[V]	70	70	70	70	70
No. of MPPT inputs	1	1	2	2	2
No. of strings per MPPT input	1	1	1	1	1
DC switch	Optional				
► Output (AC)					
Rated output power [W]	2000	3000	3680	4200	4600
Rated grid voltage range [V]	220/230/240 (180 to 280)				
Rated grid frequency [Hz]; range [Hz]	50 (45 to 55) / 60 (55 to 65)				
AC nominal current [A]	9	13	16	18	20
Max. output current [A]	10	14	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%	99.9%	99.9%
Euro-efficiency	97.0%	97.0%	97.0%	97.0%	97.0%
Max. efficiency	97.6%	97.6%	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				
Over heat 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	<25 dB				
Operating temperature range [°C]	-20~+60 (derating at 45)				
Store temperature [°C]	-20~+60				
Max. permissible relative humidity (non-condensing)	0%~90%				
Altitude [Km]	<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)				
Standard warranty	Standard 5 years				