

NEW

From Solax

SINGLE PHASE INVERTERS



X1 SINGLE PHASE INVERTER

SolaX X1 single phase series are high quality single & dual MPPT inverters offering efficiency and reliability at an unbeatable cost.

SolaX have developed a range of single phase inverters, unrivaled in the industry for their quality, reliability and efficiency. The SolaX single phase inverters boast a wide MPPT voltage range to allow you to harvest the maximum amount of energy possible from your PV system and have a maximum input voltage of 600V, with a maximum efficiency up to 97.8%.



X1 MINI



X1 AIR



X1 BOOST

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X1 MINI

X1 AIR

X1 BOOST

	X1-0.7	X1-1.1	X1-1.5	X1-2.0	X1-2.5	X1-3.0	X1-3.3	X1-3.0T	X1-3.3T	X1-3.6T	X1-4.2T	X1-5.0T
INPUT (DC)												
Max.recommended DC power [W]	840	1250	1650	2200	2700	3200	3450	3250	3500	4000	4600	5200
Max. input DC voltage [V]	400	400	400	400	600	600	600	600	600	600	600	600
Max. input current [A]	10	10	10	10	10	10	10	12/12	12/12	12/12	12/12	12/12
MPPT voltage range [V]	50-500	55-380	55-380	55-380	100-580	100-580	100-580	125-580	125-580	125-580	125-580	125-580
Start output voltage [V]	70	70	70	70	120	120	120	150	150	150	150	150
Number of MPP tracker/strings per MPP tracker	1/1	1/1	1/1	1/1	1/1	1/1	1/1	2/1	2/1	2/1	2/1	2/1
OUTPUT (AC)												
AC nominal power [VA]	700	1100	1500	2000	2500	3000	3300	3000	3300	3680	4200	4600
Max. AC power [VA]	700	1100	1500	2000	2500	3000	3300	3000	3300	3680	4200	5000
Nominal AC voltage; range [V]	220/230/240; 180~280				220/230/240; 180~280				220/230/240; 180~280			
AC grid frequency; range [Hz]	50/60; ±5				50/60; ±5				50/60; ±5			
Max. AC current [A]	3.5	5.5	7.5	9.5	12	14	15	14	15	16	19	21
Power factor (full load)	0.8 leading ~ 0.8 lagging				0.8 leading ~ 0.8 lagging				0.8 leading ~ 0.8 lagging			
Total harmonic distortion(THD) [%]	<1.5				<2				<2			
POWER CONSUMPTION												
Standby consumption power[W]	<5				<10				<10			
EFFICIENCY												
MPPT efficiency[%]	99.9				99.9				99.9			
Euro efficiency[%]	95	95.5	96	96.5	96.8				97.0			
Max. efficiency[%]	97.1				97.6				97.8			
SAFETY & PROTECTION												
Over voltage protection	YES				YES				YES			
Over current protection	YES				YES				YES			
DC isolation impedance monitoring	YES				YES				YES			
Ground fault current monitoring	YES				YES				YES			
DC injection monitoring	YES				YES				YES			
RCD protection	YES				YES				YES			
Safety	EN62109-1/-2				EN62109-1/-2				IEC62109-1/-2			
EMC	EN61000-6-2;EN61000-6-3;EN61000-3-2;EN61000-3-3				EN61000-6-2;EN61000-6-3;EN61000-3-2;EN61000-3-3				EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3			
Certification	G83/2;EN50438				G83/2;AS4777.2-2015;VDE4105; EN50438; CQC				G83/2;G59/3;AS4777.2-2015;VDE4105; EN50438;CQC;VDE0126			
ENVIRONMENT LIMITS												
Protection class	IP65				IP65				IP65			
Operating temperature[°C]	-20~ +60(derating at 45)				-20~ +60(derating at 45)				-20~ +60(derating at 45)			
Humidity[%]	0~95 (no condensation)				0~95 (no condensation)				0~95 (no condensation)			
Attitude[m]	2000				2000				2000			
Storage temperature[°C]	-20~+60				-20~+60				-20~+60			
Noise emission[dB]	<25				<30				<25			
DIMENSION & WEIGHT												
Dimensions(W*H*D) [mm]	248*350*124				323*402*119				339*420*143			
Weight[Kg]	7				9.5				14.6	14.6	14.6	16.7
GENERAL DATA												
Topology	Transformerless				Transformerless				Transformerless			
Communication interface	RS485 / WIFI(optional) / DRM / USB				RS485 / WIFI(optional) / DRM / USB				RS485 / WIFI(optional) / DRM / USB / RF(optional) / Meter(optional)			
Display	6 LED				11 LED				Backlight 16*4 character			
Standard warranty[years]	5-10				5-10				5-10			
Cooling type	Natural				Natural				Natural			

*Can be modified without notice.(V2)