

# NEW

From Solax



## SINGLE PHASE INVERTERS

From Solax

[www.solaxpower.com](http://www.solaxpower.com)

### X1 BOOST

#### Dual MPPT

The X1 Boost series are high quality dual MPPT inverter 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 for more energy harvesting and have a maximum input voltage of 600V, with a maximum efficiency of 97.8%.



X1-3.0-T	X1-3.3-T
X1-3.6-T	X1-4.2-T
X1-4.6-T	X1-5.0-T



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# X1 BOOST FROM SOLAX

## SINGLE-PHASE INVERTERS-PRODUCT DATA



X1-3.0-T

X1-3.3-T

X1-3.6-T

X1-4.2-T

X1-4.6-T

X1-5.0-T

INPUT (DC)						
Max.recommended DC power [W]	3250	3500	4000	4600	5200	5200
Max.DC voltage [V]	600					
Normalinal DC operating voltage [V]	360					
Max. input current [A]	12/12	12/12	12/12	12/12	12/12	12/12
Max. short circuit current [A]	15/15	15/15	15/15	15/15	15/15	15/15
MPPT voltage range [V]	125-580	125-580	125-580	125-580	125-580	125-580
MPPT voltage range (full load) [V]	150-550	150-550	160-550	190-550	220-550	220-550
Start input voltage [V]	100	100	100	100	100	110
Start output voltage [V]	150	150	150	150	150	150
Shut down input voltage [V]	70	70	70	70	70	70
No. of MPP trackers	2	2	2	2	2	2
Strings per MPP tracker	1	1	1	1	1	1
OUTPUT (AC)						
Normalinal AC power [VA]	3000	3300	3680	4200	4600	4999
Max. apparent AC power [VA]	3000	3300	3680	4200	4600	4999
Rated grid voltage(AC voltage range) [V]	220/230/240(180 to 280 )					
Rated grid Frequency(AC frequency range) [Hz]	50(45 to 55)/60(55 to 65)					
Max. output current [A]	14	15	16	19	21	21
Displacement power factor	0.8 overexcited to 0.8 underexcited					
Total harmonic distortion(THD)	<2%					
EFFICIENCYT						
MPPT efficiency	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%
Euro-efficiency	97.00%	97.00%	97.00%	97.00%	97.00%	97.00%
Max. efficiency	97.80%	97.80%	97.80%	97.80%	97.80%	97.80%
POWER CONSUMPTION						
Input standby power[W]	<2W					
STANDARD						
Safety	IEC62109-1/-2 AS3100					
EMC	EN 61000-3-2 / EN 61000-3-3 / EN 61000-3-11 / EN 61000-3-12 / EN 61000-6-2 / EN 61000-6-3					
Cetification	VDE 0126-1-1 A1:2012 / VDE-AR-N 4105 / G83 / G59 / AS4777					
ENVIRONMENT LIMIT						
Protection class	IP65					
Operating temperature range [°C]	-20..... +60°C ( derating at +45°C)					
Humidity [°C]	0-95 (non-condensing)					
Altitude [m]	<2000					
Storage temperature [°C]	-20..... +60°C					
Noise emission(typical) [dB]	<25					
Mounting	Wall hanging					
OTHERS						
Dimensions(WxHxD) [mm]	420x339x143					
Weight [kg]	14.6	14.6	14.6	16.7	16.7	
Cooling concept	Natural					
Topology	Transformerless					
Communication	WIFI(optional), RF(optional), Meter(optional), RS485, USB, DRM					
LCD display	LCD					
Button	4(CapSense Button)					
Standard warranty	Standard 5 years					