NEW
From Solax

SOLAX POWER

SINGLE PHASE INVERTERS
From Solax

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%.



SOLAX POWER

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					
Norminal 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)						
Norminal 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	EN61000-1/EN61000-2/EN61000-3					
Cetification	G83/2;G59;AS4777.2-2015;VDE4105; EN50438;CQC;VDE0126					
ENVIRONMENT LIMIT						
Protection class	IP65					
Operating temperature range [°C]	-20..... +60 (derating at +45)					
Humidity [°C]	0-95 (non-condensing)					
Altitude [m]	<2000					
Storage temperature [°C]	-20..... +60					
Noise emission(typical) [dB]	<25					
Mounting	Wall hanging					
OTHERS						
Dimensions(WxHxD) [mm]	339x420x143					
Weight [kg]	14.6	14.6	14.6	16.7	16.7	16.7
Cooling concept	Natural					
Topology	Transformerless					
Communication	WIFI(optional), RF(optional), Meter(optional), RS485, USB, DRM					
LCD display	7 LCD					
Button	4(CapSense Button)					
Standard warranty	Standard 5 years					