

# Single phase Dual MPPT inverters **X1-Boost**



**Simple.  
Reliable.  
Efficient**



High  
Efficiency



Wide Voltage  
Range



'Smart Plug'  
Load Control



Remote  
Monitoring

3kW

3.3kW

3.6kW

4.2kW

5kW

## **X1-3.0-T / X1-3.3-T / X1-3.6-T / X1-4.2-T / X1-5.0-T**

SolaX have developed a range of single phase inverters unrivalled 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 580V, with a maximum efficiency of 97.6%. In addition, SolaX single phase inverters are IP65 rated, have no internal fan and come with optional 'plug & play' WIFI. The dual MPPT 'Boost' range is also compatible with the new SolaX 'Smart Plug' which allows for device remote control.





# X1-BOOST (SINGLE PHASE)

	X1-3.0T	X1-3.3T	X1-3.6T	X1-4.2T	X1-4.6T	X1-5.0T
<b>INPUT (DC)</b>						
Max.PV array power [Wp]	3250	3500	4000	4600	5200	5200
Max.DC voltage [V]	600	600	600	600	600	600
Nominal DC operating voltage [V]	360	360	360	360	360	360
Max. input current [A]	12/12	12/12	12/12	12/12	12/12	12/12
Max. short circuit current [A]	12.8/12.8	12.8/12.8	12.8/12.8	12.8/12.8	12.8/12.8	12.8/12.8
MPPT voltage range[V]	70-580	70-580	70-580	70-580	70-580	70-580
Start operating voltage[V]	100	100	100	100	100	100
No. of MPP trackers	2	2	2	2	2	2
Strings per MPP tracker	1	1	1	1	1	1
<b>OUTPUT AC</b>						
Nominal AC power [VA]	3000	3300	3680	4200	4600	5000 (4600 for VDE4105)
Max. AC power [VA]	3000	3300	3680	4200	4600	5000 (4600 for VDE4105)
Nominal grid voltage(AC voltage range) [V]	220/230/240; 180~280					
Nominal grid frequency/range [Hz]	50/60; ±5					
Nominal AC current [A]	13	14.3	16	18.3	20	21.7 (20 for VDE4105)
Max. AC current [A]	14	15	16.8(16 for G98)	19	21	22.7 (21.7 for AS4777)
Displacement power factor	0.8 leading ~ 0.8 lagging					
THDi, rated power [%]	<2					
<b>EFFICIENCY</b>						
MPPT efficiency [%]	99.9					
Euro efficiency [%]	97.0					
Max. efficiency [%]	97.8					
<b>POWER CONSUMPTION</b>						
Standby consumption (Night) [W]	<0					
<b>STANDARD</b>						
Over voltage protection	YES					
Over current protection	YES					
DC isolation impedance monitoring	YES					
Ground fault current monitoring	YES					
DC injection monitoring	YES					
RCD protection	YES					
Safety	IEC62109-1/-2					
EMC	EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3					
Certification	VDE4105 /G98 / G99/ AS4777 / EN50549 / CEI0-21					
<b>ENVIRONMENT LIMIT</b>						
Degree of protection(according to IEC60529)	IP65					
Operating temperature range [°C]	-25~+60(derating at 45)					
Max. operation altitude [m]	2000					
Humidity [%]	0~100 (condensation)					
Storage temperature [°C]	-25~+60					
Typical noise emission [dB]	<25					
<b>DIMENSION AND WEIGHT</b>						
Dimensions(WxHxD) [mm]	341.5*430*143					
Weight[kg]	13.5	13.5	13.5	14.5	14.5	14.5
Cooling concept	Natural					
Topology	Non-isolated					
Communication interfaces	Pocket WiFi(optional)/Pocket LAN(optional)/Pocket GPRS(optional)/Meter(optional)/RS485/DRM/USB-Upgrade					
LCD display	Yes					
Standard warranty [years]	5-10					