

Single Phase String Inverter **X1-Air**



**Simple.
Reliable.
Efficient**



High Efficiency



Wide Voltage Range



Remote Monitoring



IP65 Rated

2.5kW

3kW

3.3kW

X1-2.5-S / X1-3.0-S / X1-3.3-S

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.





X1-AIR (SINGLE PHASE)

X1-2.5

X1-3.0

X1-3.3

INPUT (DC)

Max.PV array power [Wp]	3750	4500	4950
Max.DC voltage [V]	600	600	600
Nominal DC operating voltage [V]	360	360	360
Max. input current [A]	12	12	12
Max. short circuit current [A]	14	14	14
MPPT voltage range[V]	70-580	70-580	70-580
Start operating voltage[V]	80	80	80
No. of MPP trackers	1	1	1
Strings per MPP tracker	1	1	1

OUTPUT AC

Nominal AC power [VA]	2500	3000	3300
Max. AC power [VA]	2750	3300	3630
Nominal grid voltage(AC voltage range) [V]	220/230/240; 180~280		
Nominal grid frequency/range [Hz]	50/60; ±5		
Nominal AC current [A]	10.9	13.0	14.3
Max. AC current [A]	12.0	14.3	15.8
Displacement power factor	0.8 leading ~ 0.8 lagging		
THDi, rated power [%]	<2		

EFFICIENCY

MPPT efficiency [%]	99.9
Euro efficiency [%]	96.8
Max. efficiency [%]	97.1

POWER CONSUMPTION

Standby consumption (Night) [W]	<1
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STANDARD

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	EN62109-1/-2
EMC	EN61000-6-2;EN61000-6-3;EN61000-3-2;EN61000-3-3
Certification	G98;AS4777;VDE4105; EN50549; CEIO-21

ENVIRONMENT LIMIT

Degree of protection(according to IEC60529)	IP65
Operating temperature range [°C]	-25~+60(derating at 45)
Max. operation altitude [m]	<2000
Humidity [%]	0~100 (non-condensation)
Storage temperature [°C]	-25~60
Typical noise emission [dB]	<25

DIMENSION AND WEIGHT

Dimensions(WxHxD) [mm]	323*402*119
Weight[kg]	10.5
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