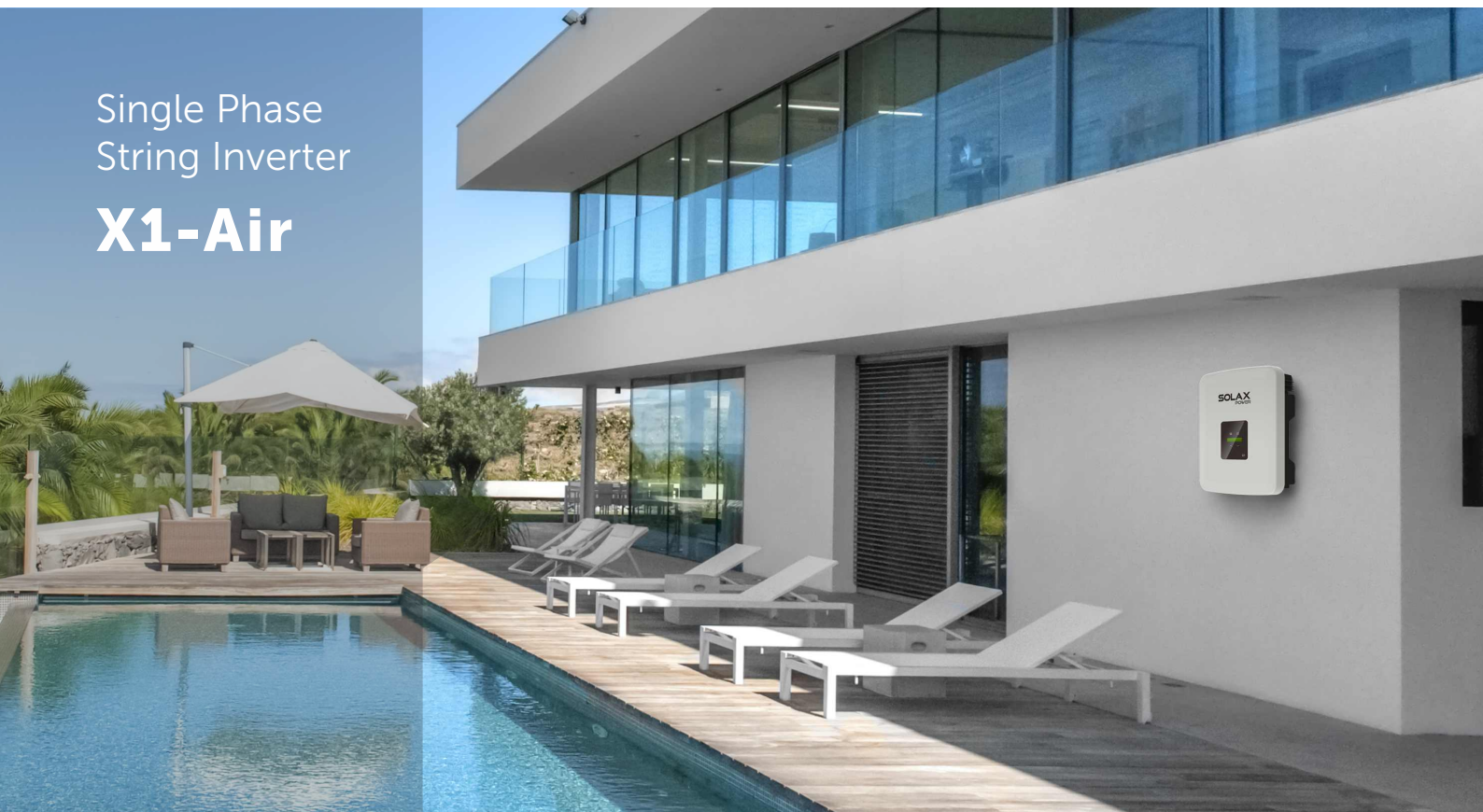


# Single Phase String Inverter **X1-Air**



**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
<b>INPUT (DC)</b>			
Max.PV array power [Wp]	2700	3200	3450
Max.DC voltage [V]	600	600	600
Nominal DC operating voltage [V]	360	360	360
Max. input current [A]	10	10	10
Max. short circuit current [A]	12	12	12
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
<b>OUTPUT AC</b>			
Nominal AC power [VA]	2500	3000	3300
Max. AC power [VA]	2500	3000	3300
Nominal grid voltage(AC voltage range) [V]	220/230/240; 180~280		
Nominal grid frequency/range [Hz]	50/60; ±5		
Nominal AC current [A]	10.8	13.0	14.3
Max. AC current [A]	12	14	15
Displacement power factor	0.8 leading ~ 0.8 lagging		
THDi, rated power [%]	<2		
<b>EFFICIENCY</b>			
MPPT efficiency [%]	99.9		
Euro efficiency [%]	96.8		
Max. efficiency [%]	97.1		
<b>POWER CONSUMPTION</b>			
Standby consumption (Night) [W]	<1		
<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	EN62109-1/-2		
EMC	EN61000-6-2;EN61000-6-3;EN61000-3-2;EN61000-3-3		
Certification	G98;AS4777;VDE4105; EN50549; CEIO-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]	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		