



Single Phase String Inverter **X1-Smart**

**Small Inverter
Big Performance**



Low Start-Up
Voltage



High
Efficiency



Small &
Lightweight



Remote
Monitoring

6kW

7kW

8kW

X1-6.0 / X1-7.0 / X1-8.0

The all-new SolaX X1 Smart range of inverters promises unrivalled performance as it boasts advanced DSP control technology, utilising the latest high-efficiency power components and achieving a maximum efficiency of up to 97.4%. (Not available in the UK)





X1-SMART (SINGLE PHASE)

	X1-6.0	X1-7.0	X1-8.0
INPUT (DC)			
Max.PV array power [Wp]	9000	10500	12000
Max.recommended DC power[W]	3000/4000	3000/5000	3000/6000
Max.DC voltage [V]	550	550	550
Nominal DC operating voltage [V]	360	360	360
Max. input current [A]	12/24	12/24	12/24
Max. short circuit current [A]	14/28	14/28	14/28
MPPT voltage range[V]	100-530	100-530	100-530
Start operating voltage[V]	120	120	120
No. of MPP trackers / Strings per MPP tracker	2(1/2)	2(1/2)	2(1/2)
OUTPUT AC			
Nominal AC power [VA]	6000	7000	8000
Max. AC power [VA]	6600	7700	8800
Nominal grid voltage(AC voltage range) [V]		220/230/240; 160-285	
Nominal grid frequency/range [Hz]		50/60; ±5	
Nominal AC current [A]	28,7	33,5	38,3
Max. AC current [A]		45	
Displacement power factor		0,8 leading... 0,8 lagging	
THDi, rated power [%]		< 3	
EFFICIENCY			
MPPT efficiency [%]		99,90	
Euro efficiency [%]		96,80	
Max. efficiency [%]		97,40	
POWER CONSUMPTION			
Standby consumption (Night) [W]		<1	
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		IEC62109-1/IEC62109-2	
EMC		EN 61000-3-2 / EN 61000-3-3 / EN 61000-3-11 / EN 61000-3-12 / EN 61000-6-1/ EN 61000-6-2 / EN 61000-6-3	
Certification		AS4777	
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-condensing)	
Storage temperature [°C]		-25~+60	
Typical noise emission [dB]		<40	
DIMENSION AND WEIGHT			
Dimensions(WxHxD) [mm]		401*450*190	
Weight[kg]		22	
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		Backlight 20*4 character	
Standard warranty [years]		5-10	