

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-T-N / X1-7.0-T-N / X1-8.0-T-N

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-T-N

X1-7.0-T-N

X1-8.0-T-N

INPUT (DC)

Max.PV array power [Wp]	9000	10500	12000
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 MPPT trackers/Strings per MPPT 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]	26	30	34
Max. AC current [A]	28.7	33.5	38.3
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
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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	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 (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

Manufacturer: Solax Power Network Technology (zhejiang) Co., Ltd.

Country of Origin: PR China