

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



**Small Inverter  
Big Performance**



Low Start-Up  
Voltage



High  
Efficiency



Small &  
Lightweight



IP65  
Rated

0.7kW

1.1kW

1.5kW

2kW

## **X1-0.7-S / X1-1.1-S / X1-1.5-S / X1-2.0-S**

The SolaX X1 Mini range of inverters are designed and engineered for small PV arrays. With a start-up voltage of 65V and a maximum efficiency of 97.1%, the X1 Mini promises unrivalled performance, allowing you to harvest the maximum amount of energy possible from your PV system.





# X1-MINI (SINGLE PHASE)

	X1-0.7	X1-1.1	X1-1.5	X1-2.0
<b>INPUT (DC)</b>				
Max.PV array power [Wp]	840	1250	1650	2200
Max.DC voltage [V]	400	400	400	400
Nominal DC operating voltage [V]	360	360	360	360
Max. input current [A]	10	10	10	10
Max. short circuit current [A]	12	12	12	12
MPPT voltage range[V]	55-380	55-380	55-380	55-380
Start operating voltage[V]	70	70	70	70
No. of MPP trackers	1	1	1	1
Strings per MPP tracker	1	1	1	1
<b>OUTPUT AC</b>				
Nominal AC power [VA]	700	1100	1500	2000
Max. AC power [VA]	700	1100	1500	2000
Nominal grid voltage(AC voltage range) [V]	220/230/240; 180~280			
Nominal grid frequency/range [Hz]	50/60; ±5			
Nominal AC current [A]	3.04	4.78	6.52	8.70
Max. AC current [A]	3.5	5.5	7.5	9.5
Displacement power factor	0.8 leading ~ 0.8 lagging			
THDi, rated power [%]	<3			
<b>EFFICIENCY</b>				
MPPT efficiency [%]	99.9			
Euro efficiency [%]	95	95.5	96	96.5
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	IEC62109-1/-2			
EMC	EN61000-6-1;EN61000-6-2;EN61000-6-3;EN61000-3-2;EN61000-3-3			
Certification	G98; AS4777; VDE4105; 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]	267*328*116			
Weight[kg]	6			
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			