

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



**Small Inverter  
Big Performance**



Low Start-Up  
Voltage



High  
Efficiency



Small &  
Lightweight



IP65  
Rated

1.5kW

2kW

## **X1-1.5-S-N / X1-2.0-S-N**

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)

X1-1.5-S-N

X1-2.0-S-N

## INPUT (DC)

Max.PV array power [Wp]	1650	2200
Max.DC voltage [V]	400	400
Nominal DC operating voltage [V]	360	360
Max. input current [A]	10	10
Max. short circuit current [A]	12	12
MPPT voltage range[V]	55-380	55-380
Start operating voltage[V]	70	70
No. of MPP trackers	1	1
Strings per MPP tracker	1	1

## OUTPUT AC

Nominal AC power [VA]	1500	2000
Max. AC power [VA]	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]	6.52	8.70
Max. AC current [A]	7.5	9.5
Displacement power factor	0.8 leading ~ 0.8 lagging	
THDi, rated power [%]	<3	

## EFFICIENCY

MPPT efficiency [%]	99.9	
Euro efficiency [%]	96	96.5
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	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

## 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 ( condensation)
Storage temperature [°C]	-25~+60
Typical noise emission [dB]	<25

## DIMENSION AND WEIGHT

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+5