

# X1

## MINI

# SINGLE PHASE INVERTERS

From Solax



[www.solaxpower.com](http://www.solaxpower.com)

## SMALL INVERTER BIG PERFORMANCE

Solax X1 Mini, a range of inverters designed and engineered specifically for the global market and the growing demand for smaller PV arrays.

With a start-up voltage of just 60V 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

- > Maximum efficiency up to 97.1%
- > 60V start-up
- > Small and lightweight
- > Fanless, quiet and low maintenance
- > IP65 protection allows indoor & outdoor use
- > Multiple protections: RCD, ISO, overvoltage and earth protection



X1-1.1-S  
X1-1.5-S  
X1-2.0-S

Get in touch now:

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## SINGLE-PHASE INVERTERS - PRODUCT DATA

X1-1.1-S

X1-1.5-S

X1-2.0-S

<b>Input (DC)</b>	Max. recommended DC power[W]	1250	1650	2200
	Max. input DC voltage [V]	400	400	400
	Max. input current[A]	10	10	10
	MPPT voltage range[V]	70~380	70~380	70~380
	Start input/output voltage[V]	60/90	60/90	60/90
	Number of MPP tracker/ strings per MPP tracker	1/1	1/1	1/1
<b>Output (AC)</b>	AC nominal power[W]	1100	1500	2000
	Max. AC power[VA]	1100	1500	2000
	Nominal AC voltage; range[V]	220/230/240; 180~280		
	AC grid frequency; range[Hz]	50/60; ±5		
	Max. AC current[A]	5.5	7.5	9.5
	Power factor (full load)	0.8leading ~ 0.8lagging		
	Total harmonic distortion(THD)	<1.5%	<1.5%	<1.5%
<b>Power Consumption</b>	Standby power[W]	< 10	< 10	< 10
<b>Efficiency</b>	MPPT Efficiency[%]	99.9	99.9	99.9
	Euro Efficiency[%]	95.5	96	96.5
	Max. Efficiency[%]	97.1	97.1	97.1
<b>Safety &amp; Protection</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; G83/2; AS4777.2-2015; VDE4105; EN50438; CQC		
	EMC	EN61000-6-2; EN61000-6-3; EN61000-3-2; EN61000-3-3		
<b>Environment Limits</b>	Protection class	IP 65		
	Operating temperature[°C]	-20 ~ +60 (derating at 45)		
	Humidity[%]	0~95, no condensation		
	Attitude[m]	2000		
	Storage temperature[°C]	-20 ~ +60		
	Noise emission[dB]	< 30		
<b>Dimension &amp; Weight</b>	Dimensions (W*H*D) [mm]	248*350*124		
	Weight[Kg]	7	7	7
<b>General Data</b>	Topology	Transformerless		
	Communication interface	RS 485/ WiFi(opt)/ DRM/ USB		
	LED display	6 LED		
	Standard warranty[years]	5 years (10 years optional)		
	Cooling type	Natural		