

X1

MINI

SINGLE PHASE INVERTERS

From SolaX



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



YHI (NEW ZEALAND) LTD
A subsidiary of YHI International Limited

Proudly Distributed By:

Freephone 0800 99 33 44 Visit our websites: www.yhipower.co.nz / www.whychoosesolar.co.nz



X1 MINI FROM SOLAX

SINGLE-PHASE INVERTERS - PRODUCT DATA

X1-1.1-S

X1-1.5-S

X1-2.0-S

| | | | | |
|---------------------|--|---|--------|--------|
| Input (DC) | 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 |
| Output (AC) | 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% |
| Power Consumption | Standby power[W] | < 10 | < 10 | < 10 |
| Efficiency | MPPT Efficiency[%] | 99.9 | 99.9 | 99.9 |
| | Euro Efficiency[%] | 95.5 | 96 | 96.5 |
| | Max. Efficiency[%] | 97.1 | 97.1 | 97.1 |
| Safety & Protection | 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 | | |
| Environment Limits | 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 | | |
| Dimension & Weight | Dimensions (W*H*D) [mm] | 248*350*124 | | |
| | Weight[Kg] | 7 | 7 | 7 |
| General Data | 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 | | |