

X1

1.1~2.0

SINGLE PHASE INVERTERS From Solax



www.solaxpower.com

SMALL INVERTER BIG PERFORMANCE

SolaX X1-1.1~2.0, 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.



X1-1.1~2.0

- > 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
X1-1.5
X1-2.0

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X1-1.1~2.0 FROM SOLAX

SINGLE-PHASE INVERTERS-PRODUCT DATA

| | X1-1.1 | X1-1.5 | X1-2.0 |
|---|--|--------|--------|
| 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 normal power [VA] | 1100 | 1500 | 2000 |
| Max. AC power [VA] | 1100 | 1500 | 2000 |
| Normal 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) | 0.8 leading ~ 0.8 lagging | | |
| Total harmonic distortion(THD) | <1.5% | | |
| POWER CONSUMPTION | | | |
| Standby power[W] | <10 | | |
| EFFICIENCY | | | |
| MPPT efficiency[%] | 99.9 | | |
| Euro efficiency[%] | 95.5 | | |
| Max. efficiency[%] | 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 | IEC62109-1/-2/AS3100 | | |
| EMC | EN61000-1/EN61000-2/EN61000-3 | | |
| Certification | G83/2;AS4777.2-2015;VDE4105; EN50438;CQC;CEI0-21 | | |
| ENVIRONMENT LIMITS | | | |
| Protection class | IP65 | | |
| 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 | | |
| GENERAL DATA | | | |
| Topology | Transformerless | | |
| Communication interface | Rs485 / WiFi(optional) / DRM / USB | | |
| Display | 6 LED | | |
| Standard warranty[years] | 5 years | | |
| Cooling type | Natural | | |