

Single phase Dual MPPT inverters **X1-Boost**



*Simple.
Reliable.
Efficient*



High
Efficiency



Wide Voltage
Range



'Smart Plug'
Load Control



Remote
Monitoring

X1-Boost

SolaX have developed a range of single phase inverters unrivalled in the industry for their quality, reliability and efficiency. The SolaX single phase inverters boast a wide MPPT voltage range to allow for more energy harvesting and have a maximum input voltage of 580V, with a maximum efficiency of 97.6%. In addition, SolaX single phase muffins are IP65 rated, have no internal fan and come with optional 'plug & play' WIFI. The dual MPPT 'Boost' range is also compatible with the new SolaX 'Smart Plug' which allows for device remote control.





X1-BOOST (SINGLE PHASE)

X1-3.0-T-N X1-3.3-T-N X1-3.6-T-N X1-4.2-T-N X1-4.6-T-N X1-5.0-T-N
X1-3.0-T-D X1-3.3-T-D X1-3.6-T-D X1-4.2-T-D X1-4.6-T-D X1-5.0-T-D

INPUT (DC)

| | | | | | | |
|---|--------|--------|--------|--------|--------|--------|
| Max.recommended PV power[W] | 4500 | 4950 | 5400 | 6300 | 6900 | 7499 |
| Max.DC voltage [V] | 600 | 600 | 600 | 600 | 600 | 600 |
| Nominal DC operating voltage [V] | 360 | 360 | 360 | 360 | 360 | 360 |
| Max. input current [A] | 12/12 | 12/12 | 12/12 | 12/12 | 12/12 | 12/12 |
| Max. short circuit current [A] | 14/14 | 14/14 | 14/14 | 14/14 | 14/14 | 14/14 |
| MPPT voltage range[V] | 70-580 | 70-580 | 70-580 | 70-580 | 70-580 | 70-580 |
| Start operating voltage[V] | 100 | 100 | 100 | 100 | 100 | 100 |
| No. of MPP trackers / Strings per MPP tracker | 2(1/1) | 2(1/1) | 2(1/1) | 2(1/1) | 2(1/1) | 2(1/1) |

OUTPUT AC

| | | | | | | |
|--|---------------------------|------|------|------|------|------|
| Nominal AC power [VA] | 3000 | 3300 | 3680 | 4200 | 4600 | 5000 |
| Max. AC power [VA] | 3300 | 3630 | 4048 | 4620 | 5060 | 5500 |
| Nominal grid voltage(AC voltage range) [V] | 220/230/240; 180~280 | | | | | |
| Nominal grid frequency/range [Hz] | 50/60; ±5 | | | | | |
| Nominal AC current [A] | 13 | 14.3 | 16 | 18.3 | 20 | 21.7 |
| Max. AC current [A] | 14.3 | 15.8 | 17.6 | 20.1 | 22 | 21.7 |
| Displacement power factor | 0,8 leading ~ 0,8 lagging | | | | | |
| THDi, rated power [%] | <2 | | | | | |

EFFICIENCY

| | | | | | | |
|---------------------|------|--|--|--|--|--|
| MPPT efficiency [%] | 99.9 | | | | | |
| Euro efficiency [%] | 97.0 | | | | | |
| Max. efficiency [%] | 97.8 | | | | | |

POWER CONSUMPTION

| | | | | | | |
|---------------------------------|------|--|--|--|--|--|
| Standby consumption (Night) [W] | <0.5 | | | | | |
|---------------------------------|------|--|--|--|--|--|

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 | EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3 | | | | | |
| Certification | VDE4105 /G98 / G99/ AS4777 / 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] | 341.5*430*143 | | | | | |
| Weight[kg] | 13.5 | 13.5 | 13.5 | 14.5 | 14.5 | 14.5 |
| 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] | 12 | | | | | |

*Can be modified without notice.(AU-V1)