



Three Phase  
String Inverter  
**X3-Mic**

**Small Inverter  
Big Performance**



Wide Product  
Range



High  
Efficiency



IP65  
Rated



Remote  
Monitoring

5kW

6kW

## X3-5.0-T-N / X3-6.0-T-N

SolaX have developed a range of three phase inverters unrivalled in the industry for their quality, reliability and efficiency. The SolaX three phase inverters boast a wide MPPT voltage range to allow for more energy harvesting and have a maximum input voltage of 800V, with a maximum efficiency of 98.5%. In addition, SolaX three phase inverters are IP65 rated, have no internal fan and come with optional 'plug & play' WIFI. Monitoring Platform: SolaX Portal.





# X3-MIC (THREE PHASE)

X3-5.0-T-N

X3-6.0-T-N

## INPUT (DC)

Max.PV array power [Wp]	7500	9000
Max.DC voltage [V]	800	800
Nominal DC operating voltage [V]	600	600
Max. input current [A]	11/11	11/11
Max. short circuit current [A]	14/14	14/14
MPPT voltage range[V]	160-750	160-750
Start operating voltage[V]	180	180
No. of MPP trackers	2	2
Strings per MPP tracker	1	1

## OUTPUT AC

Nominal AC power [VA]	5000	6000
Max. AC power [VA]	5000	6000
Nominal grid voltage(AC voltage range) [V]	3/N/PE, 3/PE, 230/400(310-480)	
Nominal grid frequency/range [Hz]	50/60;±5	
Nominal AC current [A]	7.2	8.7
Max. AC current [A]	8.0	9.6
Displacement power factor	0.8 leading-0.8 lagging	
THDi, rated power [%]	<2	

## EFFICIENCY

MPPT efficiency [%]	99.9
Euro efficiency [%]	97.8
Max. efficiency [%]	98.3

## POWER CONSUMPTION

Standby consumption (Night) [W]	<3
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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	EN62109-1/-2
EMC	EN61000-6-1;EN61000-6-2;EN61000-6-3;EN61000-3-2;EN61000-3-3
Certification	AS4777; VDE4105; G98; G99; 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,condensing
Storage temperature [°C]	-25~60
Typical noise emission [dB]	35

## DIMENSION AND WEIGHT

Dimensions(WxHxD) [mm]	534*419*201
Weight[kg]	30
Cooling concept	Natural
Topology	Non-isolated
Communication interfaces	RS485/DRM/Pocket WiFi(optional)/Pocket LAN (optional)/Pocket GPRS (optional)/Meter (optional)/USB-upgrade
LCD display	Backlight 20*4 character
Standard warranty [years]	5