

Three Phase String Inverter **X3-Mic**



**Small Inverter
Big Performance**



Wide Product
Range



High
Efficiency



IP65
Rated



Remote
Monitoring

4kW

10kW

X3-4.0-T X3-10.0-T/X3-4.0-S/X3-5.0-S

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.





INPUT (DC)									
Max.PV array power [Wp]	6000	7500	9000	10500	12000	13500	15000	6000	7500
Max.DC voltage [V]	800	800	800	1000	1000	1000	1000	1000	1000
Nominal DC operating voltage [V]	600	600	600	600	600	600	600	600	600
Max. input current [A]	12/12	12/12	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	14/14	14	14
MPPT voltage range[V]	160-750	160-750	160-750	160-900	160-900	160-900	160-900	160-900	160-900
Start operating voltage[V]	180	180	180	180	180	180	180	180	180
No. of MPPT trackers	2	2	2	2	2(1/1)	2(1/1)	2(1/1)	1	1
Strings per MPPT tracker	1/1	1/1	1/1	1/1					
OUTPUT AC									
Nominal AC power [VA]	4000	5000	6000	7000	8000	9000	10000	4000	5000
Max. AC power [VA]	4400	5500	6600	7700	8800	9900	11000	4400	5500
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]	5.8	7.2	8.7	10.1	11.6	13.0	14.5	5.8	7.2
Max. AC current [A]	6.4	8.0	9.6	11.2	12.8	14.3	15.9	6.4	8.0
Displacement power factor	0.8leading-0.8lagging								
THDi, rated power [%]	<2								
EFFICIENCY									
MPPT efficiency [%]	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
Euro efficiency [%]	97.8	97.8	97.8	98	98	98	98	97.8	97.8
Max. efficiency [%]	98.3	98.3	98.3	98.4	98.4	98.5	98.5	98.3	98.3
POWER CONSUMPTION									
Standby consumption (Night) [W]	<3								
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	30	30	30	30	30	30	28	28
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 16*4 character								
Standard warranty [years]	5-10								

Three phase Dual MPPT inverters **X3-Pro**



**Simple.
Reliable.
Efficient**



Wide Product
Range



High
Efficiency



IP65
Rated



Remote
Monitoring

8kW

10kW

12kW

15kW

X3-8.0P/X3-10.0P/X3-12.0P/X3-15.0P

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-PRO (THREE PHASE)

	X3-8.0P	X3-10.0P	X3-12.0P	X3-15.0P
INPUT (DC)				
Max.PV array power [Wp]	12000	15000	18000	22500
Max.DC voltage [V]	1000	1000	1000	1000
Nominal DC operating voltage [V]	600	600	600	600
Max. input current [A]	12/24	12/24	12/24	12/24
Max. short circuit current [A]	14/28	14/28	14/28	14/28
MPPT voltage range[V]	160-850	160-850	160-850	160-850
Start operating voltage[V]	180	180	180	180
No. of MPPT trackers/Strings per MPPT tracker	2(1/2)	2(1/2)	2(1/2)	2(1/2)
OUTPUT AC				
Nominal AC power [VA]	8000	10000	12000	15000
Max. AC power [VA]	8800	11000	13200	16500
Nominal grid voltage(AC voltage range) [V]	3/N/PE, 230/400(310-480)			
Nominal grid frequency/range [Hz]	50/60;±5			
Nominal AC current [A]	11.6	14.5	17.4	21.7
Max. AC current [A]	12.8	15.9	19.1	23.9
Displacement power factor	0.8leading-0.8lagging			
THDi, rated power [%]	<3			
EFFICIENCY				
MPPT efficiency [%]	99.9			
Euro efficiency [%]	97.8			
Max. efficiency [%]	98.3			
POWER CONSUMPTION				
Standby consumption (Night) [W]	<3			
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; EN61000-3-12; EN61000-3-11			
Certification	VDE4105; AS4777; EN50549; IEC61727			
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]	<45			
DIMENSION AND WEIGHT				
Dimensions(WxHxD) [mm]	534*419*179			
Weight[kg]	32			
Cooling concept	Forced airflow			
Topology	Non-isolated			
Communication interfaces	RS485/DRM/Pocket WiFi(optional)/Pocket LAN (optional)/Pocket GPRS (optional)/Meter (optional)/USB-upgrade			
LCD display	Backlight 16*4 character			
Standard warranty [years]	5/10(optional)			

New From SolaX

Three Phase String Inverter

X3-Max

20K / 25K / 30K

***For Small-sized Industrial
and Residential Use***



Superior Efficiency



High Reliability



Intelligent Maintenance

Feature

Superior Efficiency

- Max efficiency 98.2%, European efficiency 97.7%
- Ultra-wide voltage range (180V-950V)
- ECO Invention patent technology

High Reliability

- Integrated type II DC & AC surge arresters

Intelligent Maintenance

- Intelligent monitoring via APP & Web
- Multiple remote monitoring for convenient operation and maintenance



X3-20K-TL

X3-25K-TL

X3-30K-TL

INPUT (DC)

Max. Input Voltage [V]	1000	1000	1000
Rated Input Voltage [V]	620	620	620
Max. Input Current [A]	2*25	2*37.5	2*37.5
Start Input Voltage/ Min. Operating Voltage [V]	250/180	250/180	250/180
MPPT Operating Voltage Range [V]	180-960	180-960	180-960
MPPT Operating Voltage Range (Full-Load) [V]	480-800	480-800	480-800
Max. Number of PV Strings	4(2/2)	6(3/3)	6(3/3)
No. of MPPTs	2	2	2

OUTPUT(AC)

Rated AC Active Power [W]	20,000	25,000	30,000
Max. AC Apparent Power [VA]	22,000	27,500	33,000
Max. AC Active Power (PF=1) [W]	22,000	27,500	33,000
Max. AC Output Current [A]	3*33.5	3*40	3*48
Rated AC Voltage [V]	380/400,3W+N+PE		
AC Voltage Range [V]	277-520(Adjustable)		
Rated Grid Frequency [Hz]	50/60		
Grid Frequency Range [Hz]	45-55/55-65		
THDI [%]	<3(Rated Power)		
DC Current Injection [%]	<0.5 In		
Power Factor	0.8 Leading - 0.8Lagging		

Protection

DC switch	Support
Anti-islanding protection	Support
AC overcurrent protection	Support
AC short circuit protection	Support
DC reverse connection	Support
Surge Arrester	DC Type II /AC Type II
Insulation detection	Support
Leakage current protection	Support

Efficiency

Max. Efficiency [%]	98.20	98.20	98.20
European Efficiency [%]	97.70	97.70	97.70

General

Topology	Transformerless		
IP Rating	IP65		
Night Self Consumption [W]	<1		
Cooling	Natural cooling	Fan cooling	Fan cooling
Operating Temperature Range [°C]	-25-60		
Relative Humidity Range [%]	0-100		
Max. Operating Altitude [m]	4000(>2000 derating)		
Noise [dB]	<30	<50	<50
Dimensions (W*H*D) [mm]	555*446*270		
Weight [kg]	37	40	40

HMI & COM

Display	Wireless & APP +LED / LCD(Optional)		
Communication	WiFi(Optional) / RS485 / GPRS(Optional)		

Certification

Safety	IEC62109-1 / IEC62109-2		
EMC(Optional)	EN 61000-6-2 / EN 61000-6-3 / EN 61000-6-4		
Grid Code	IEC61727 / IEC62116		

Warranty [year]

5 / 10(Optional)

New From SolaX

Three Phase String Inverter

X3-Mega

50K / 60K

**Large-scale Industrial and
Commercial Sites**



Superior
Efficiency



High
Reliability



Intelligent
Maintenance



Excellent Grid
Compatibility

Feature

Superior Efficiency

- Max efficiency 98.3%, European efficiency 98.0%
- 4 independent MPPTs
- ECO Invention patent technology

High Reliability

- Top-ranking high quality components
- Integrated type II DC & AC surge arresters

Intelligent Maintenance

- Intelligent monitoring via APP & Web
- Multiple-string monitoring for easy trouble shooting (Optional)

Excellent Grid Compatibility

- Advanced grid impedance algorithm for large-scale power stations
- Active power/reactive power control option (Remotely)



X3-50K-TL

X3-60K-TL

INPUT (DC)

Max. Input Voltage [V]	1100	
Rated Input Voltage [V]	620	
Max. Input Current [A]	110(33/33/22/22)	132(33/33/33/33)
Start Input Voltage/ Min. Operating Voltage [V]	250/200	
MPPT Operating Voltage Range [V]	200-960	
MPPT Operating Voltage Range (Full-Load) [V]	540-850	
Max. Number of PV Strings	10(3/3/2/2)	12(3/3/3/3)
No. of MPPTs	4	

OUTPUT(AC)

Rated AC Active Power [W]	50,000	60,000
Max. AC Apparent Power [VA]	55,000	66,000
Max. AC Active Power (PF=1) [W]	55,000	66,000
Max. AC Output Current [A]	3*83	3*92
Rated AC Voltage [V]	380/400, 3W+N+PE	
AC Voltage Range [V]	277-520(Adjustable)	
Rated Grid Frequency [Hz]	50/60	
Grid Frequency Range [Hz]	45-55/55-65	
THDI [%]	<3 (Rated Power)	
DC Current Injection [%]	<0.5In	
Power Factor	0.8 Leading - 0.8Lagging	

Protection

DC switch	Support
Anti-islanding protection	Support
AC overcurrent protection	Support
AC short circuit protection	Support
DC reverse connection	Support
Surge Arrester	DC Type II /AC Type II
Insulation detection	Support
Leakage current protection	Support

Efficiency

Max. Efficiency [%]	98.30%
European Efficiency [%]	98.00%

General

Topology	Transformerless
IP Rating	IP65
Night Self Consumption [W]	<1
Cooling	Fan cooling
Operating Temperature Range [°C]	-25-60
Relative Humidity Range [%]	0-100
Max. Operating Altitude [m]	4000(>2000 derating)
Noise [dB]	<62
Dimensions (W*H*D) [mm]	855*555*275
Weight [kg]	6567

HMI & COM

Display	Wireless & APP +LED / LCD(optional)
Communication	WiFi(optional) / RS485 / GPRS(optional)

Certification

Safety	IEC62109-1 / IEC62109-2
EMC(Optional)	EN 61000-6-2 / EN 61000-6-4
Grid Code	IEC61727 / IEC62116

Warranty [year]

5 / 10(optional)