

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-MAX (THREE PHASE)

X3-20K-TL

X3-25K-TL

X3-30K-TL

INPUT (DC)

Max. PV array power* [Wp]	28000	35000	42000
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)

* When being oversizing, the current and voltage of the PV panels should not exceed the requirements of the inverter.
The installation refers to the actual situation.

Can be modified without notice.(V3)