

*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 98.6%, European efficiency 98.3%
- 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. Input Voltage [V]		1000	
Rated Input Voltage [V]		620	
Max. Input Current [A]	2*25	2*37.5	2*37.5
Start Input Voltage/ Min. Operating Voltage [V]		250/180	
MPPT Operating Voltage Range [V]		180-950	
MPPT Operating Voltage Range (Full-Load) [V]		480-800	
Max. Number of PV Strings	4(2/2)	6(3/3)	6(3/3)
No. of MPPTs		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	
European Efficiency [%]		97.70	

### General

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

### HMI & COM

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

### Certification

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

### Warranty [year]

		5 / 10(Optional)	
--	--	------------------	--