

*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)