

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]	65	67

### 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)