

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-MEGA (THREE PHASE)

X3-50K-TL

X3-60K-TL

INPUT (DC)

Max. PV array power* [Wp]	70,000	84,000
Max. input PV power [W]	65,000	78,000
Max. input voltage [V]		1100
Rated input voltage [V]		620
Start input voltage/ Min. operating voltage [V]		250/200
MPPT operating voltage range [V]		200-960
Max. input current [A]	130(39/39/26/26)	156(39/39/39/39)
Max. MPPT short circuit current [A]	140 (42/42/28/28)	168 (42/42/42/42)
Max. number of PV strings	10(3/3/2/2)	12(3/3/3/3)
No. of MPPTs		4

OUTPUT(AC)

Rated AC power [W]	50,000	60,000
Rated output power [VA]	50,000	60,000
Max. AC apparent power [VA]	55,000	60,000
Rated AC voltage [V]		380/400,3W+N+PE
AC Voltage Range [V]		277-520(Adjustable)
Rated output current [A]	3*76	3*90
Max. AC output current [A]	3*83	3*92
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
Country of made	China
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 / AS 4777.2

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.(V5)