

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]                       | 70000            | 84000            |
| 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                   |

### 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)

\* 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)