

# FAQ

## About LeadSolar Microinverters

1. Q: What is solar microinverter?

A: A solar microinverter, or simply microinverter, converts direct current (DC) electricity from a single solar panel to alternating current (AC). The output from several microinverters is combined and often fed to the electrical grid.
2. What are advantages of microinverter, when it compares with string inverter?

A: Panel level monitoring; 25 years warranty; improve system performance under shaded conditions; higher reliability.
3. Q: Do all microinverters stop working, when some panels are covered by shadows?

A: NO. Only the microinverters of the panels, which are covered by shadows, will stop working and will be standby mode. Other panels will keep working.
4. Q: How many types of microinverters you currently available?

A: Currently, we have LS250 which is 250W output microinverter and LS600 which is 500W output microinverter.
5. Q: How many microinverters I need for my system?

A: If you use LS250, you need it for each panel. If you use LS600, you need it for every two panels.
6. Q: Does LeadSolar microinverter has certification for Australia?

A: YES, we have AS4777 certification for Australia, and our microinverter is already be listed in CEC.
7. Q: What kind of panels your microinverter could support?

A: It supports output power from 230W-280W. It is recommended, actually, it supports output power of the panel up to 300W. But the Open Circuit Voltage of the panels should be 22 – 55V.
8. Q: Can I add more panels and microinverters after my system installation?

A: YES, you can.
9. Q: Is the microinverter has problem, if I find the color of panel is black?

A: First, you need to check the system outside. The panel maybe is covered by shadows of trees or chimney. If there is no shadow on the panel, you can reboot your gateway and wait for 10 – 20 minutes. Sometimes, noise on power line influences communication between microinverters and gateway. Finally, you can contact with your installer for help.

## About LeadSolar Gateways & Monitoring System

1. Q: How many types of gateways are available for the market?

A: There are two types of gateways for residential systems:

1. LeadSolar Link Residential Basic (for residential projects);
2. LeadSolar Link Residential Superior (for residential projects)

2. Q: Shall I buy a gateway when I buy microinverters?

A: YES. The gateway will collect data from microinverters and forward those data to LeadSolar monitoring sever. So you can registered an account on our website, log in and monitor your system.

3. Q: What are the differences of these gateways?

A: LeadSolar Link Residential Basic supports 40 pcs microinverters, and only supports basic functions. LeadSolar Link Residential Superior supports additional functions, such as display info without Internet connection, connect and control Smart Plug via PLC, support Wi-Fi and radio frequency, collect power consumption of house applications via Smart Plugs, Internet radio, etc.

4. Q: Can I monitor my system, if I don't have Internet service?

A: YES. If you buy Gateway Superior, you do not need Internet service and you also can monitor your system performance.

5. Q: Can I change another type of gateway after system installation?

A: NO. Different types of gateways need different types of inverters.

6. Q: Do your monitoring system support some special functions?

A: Except show power production of each panel for different period (such as, day, week, month, year, life time). It also shows alarms and location of each system. It supports classification authority. For example, installers could check info of all system they installed with LeadSolar microinverters. But users could only check info of their own systems.

7. Q: Is the monitoring system free?

A: YES.