

Making PV Panels Smarter



Connecting SolarEdge power optimizers to PV panels makes them **SMART PANELS** that produce **MORE POWER**



> Get More Power

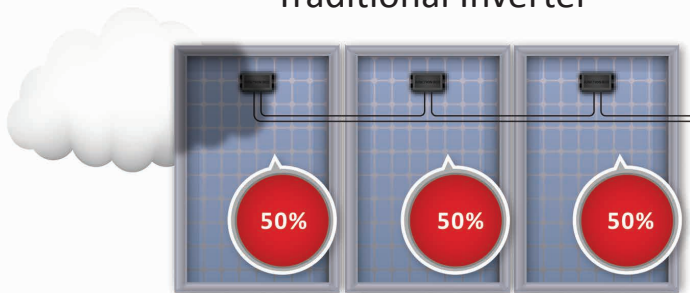
MAXIMUM POWER FROM EACH PANEL

In a PV system, each panel has an individual maximum power point. Differences between panels introduce power losses. For Example:

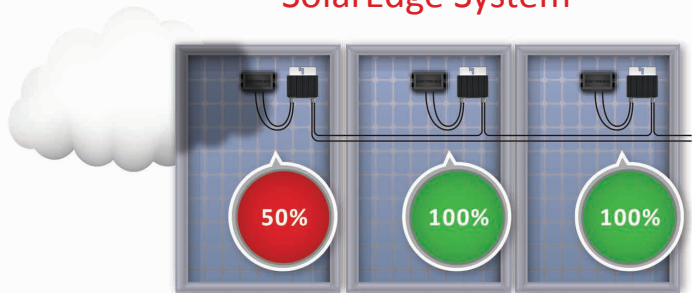


With traditional inverters, the weakest panel reduces the performance of all panels.
With SolarEdge, each panel produces the maximum energy, and power losses are eliminated.

Traditional Inverter



SolarEdge System



MORE PANELS ON YOUR ROOF; A MORE ESTHETIC ROOFTOP

Traditional Inverter



SolarEdge System



With SolarEdge

- > All roofs are possible
- > Esthetic integration of the PV panels
- > More panels on each roof



Higher system capacity



More income

> SolarEdge For Your Peace of Mind

VIEW YOUR SYSTEM'S PERFORMANCE FROM ANYWHERE

- > **Full visibility of system performance**
- > Monitor the performance of each panel in your system to secure your long-term investment
- > Get updates anytime, anywhere using free iPhone and Android applications



SUPERIOR SAFETY SOLUTION

- > PV systems are safe and pose no danger to people or property
- > However, with a traditional inverter, as long as the sun is up, PV wires are energized with high DC voltages
- > **With SolarEdge, whenever AC power is off, DC wires are designed to automatically de-energize providing automatic protection to installers, maintenance personnel, firefighters and property**



SYSTEM LIFETIME WARRANTY

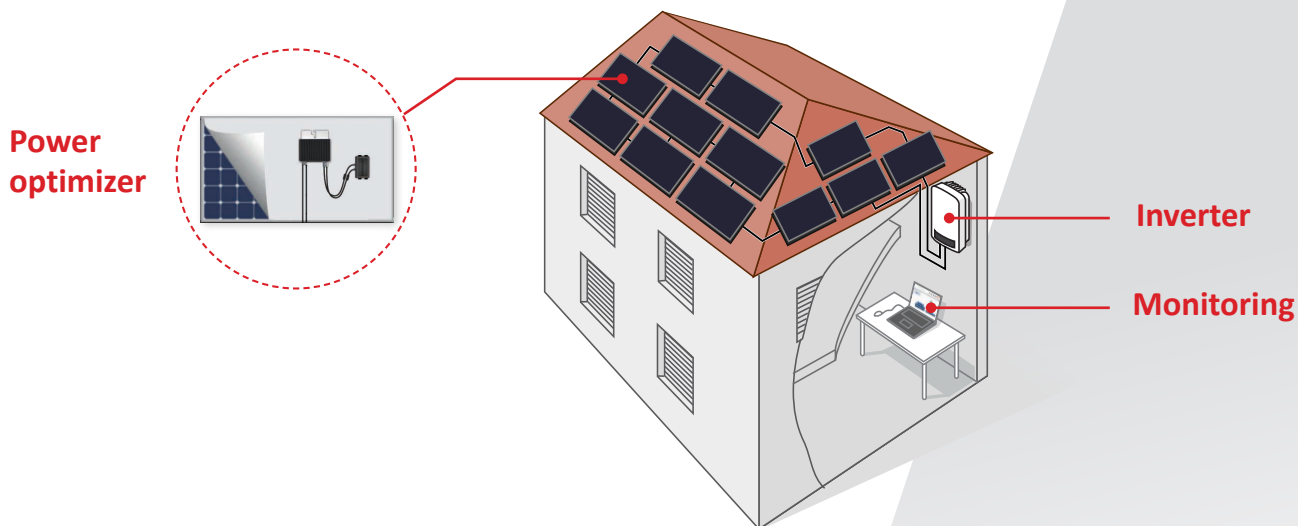
- > Power optimizers - 25-year warranty
- > Inverter - 12-year standard warranty, extendable to 20/25 years
- > Monitoring - free for system lifetime



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THE SOLAREEDGE SOLUTION

As a PV inverter and power optimization leader, SolarEdge has shipped more than 1.7 GW of its DC optimized inverter solutions to more than 74 countries. The SolarEdge solution allows module-level optimization of your PV system for better system performance and for your peace of mind.



POWER OPTIMIZER

By connecting a SolarEdge power optimizer to a PV panel it becomes a smart panel. This allows:

- Harvest of up to 25% more energy from each panel
- Constant feedback on the performance of each panel
- Designed to automatically shutdown each panel for maximum safety in case of an emergency



INVERTER

A simpler and more reliable inverter:

- Responsible only for DC to AC conversion, as all other functions are handled separately for each panel by the power optimizers
- Small and esthetic



MONITORING

By displaying real-time performance data for each module, the monitoring portal allows:

- Full visibility of your system's performance
- Automatic alerts on system issues
- Easy access from a computer, smartphone, or tablet

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