



# 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

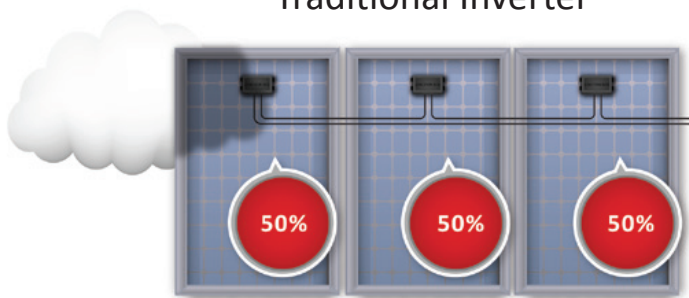
In a PV system, each panel has an individual maximum power point. Differences between panels introduce power losses. For Example:



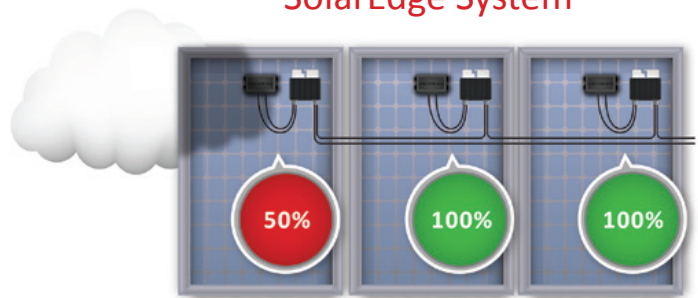
With traditional inverters, the weakest panel reduces the performance of all panels.

**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

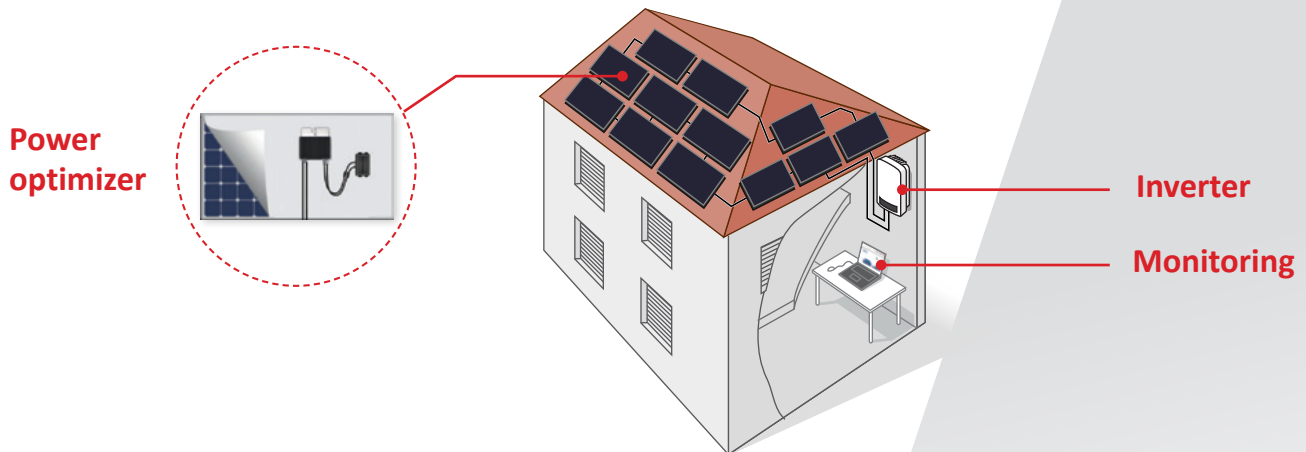
- > Power optimizers - 25-year warranty
- > Inverter - 12-year standard warranty, extendable to 20/25 years
- > Monitoring - free for system lifetime



# > Making PV Panels Smarter

## THE SOLAREEDGE SOLUTION

As a PV inverter and power optimization leader, SolarEdge has shipped more than 3.4GW of its DC optimized inverter solutions to 96 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

#### HD-Wave Technology Inverter

- Extremely small, lightweight, and easy to install
- 99% efficiency
- Designed for reliability



### 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



**solar**edge