

# Making PV Panels Smarter



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



Free Panel-Level System Monitoring



Reliable & Simple  
DC to AC Inverter



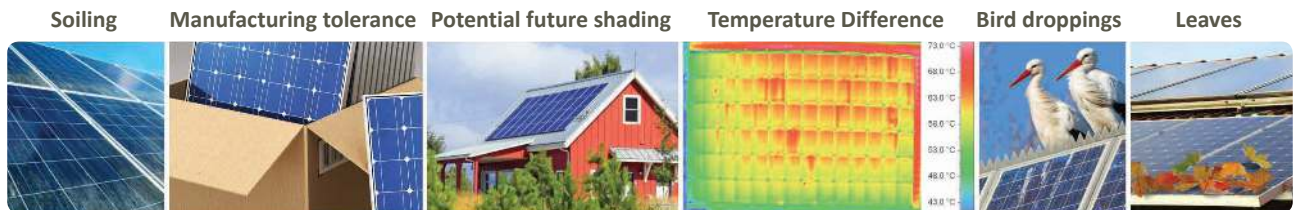
Premium  
Power Optimisers



# > 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:

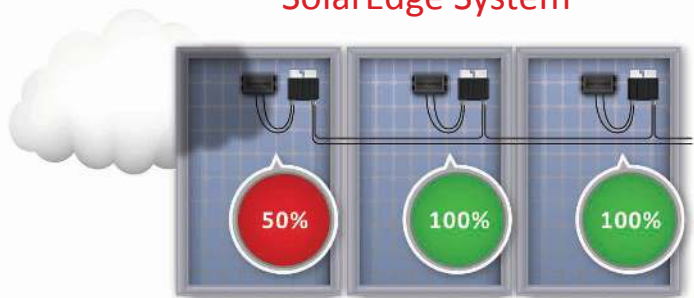


With traditional inverters, the weakest panel reduces the performance of all panels.  
**With SolarEdge, each panel produces the maximum energy, and power losses are eliminated.**

Traditional Inverter



SolarEdge System



## MORE PANELS ON YOUR ROOF; A MORE AESTHETIC ROOFTOP

Traditional Inverter



SolarEdge System



### With SolarEdge

- > All roofs are possible
- > Aesthetic 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 iOS 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 energised with high DC voltages
- > **With SolarEdge, whenever AC power is off, DC wires are designed to automatically de-energise providing automatic protection to installers, maintenance personnel, firefighters and property**



## ADD STORAGE TO YOUR PV SYSTEM

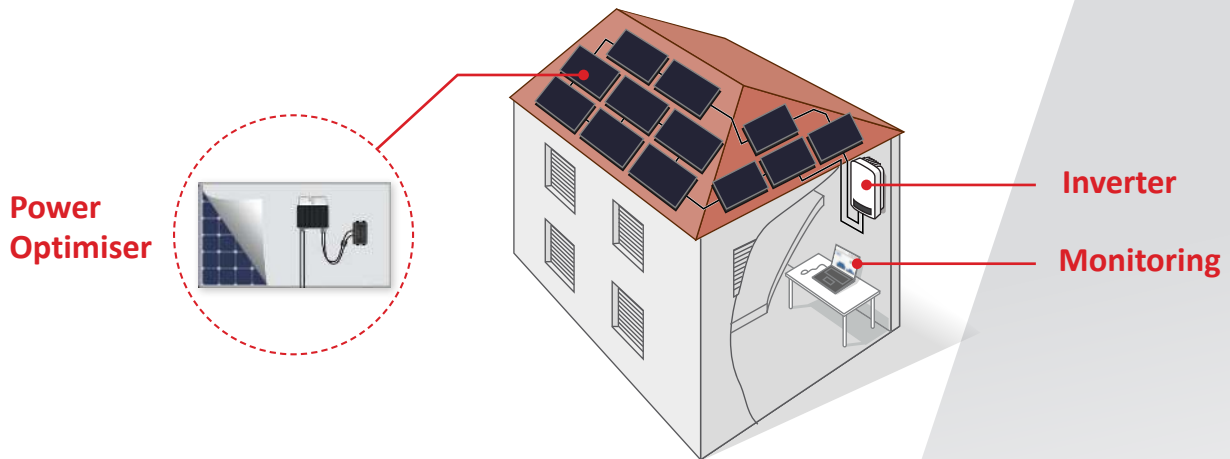
- > The SolarEdge inverter can manage and monitor both PV generation and energy storage (StorEdge™)
- > The StorEdge™ solution maximises self-consumption by storing unused PV power in a battery to use when needed
- > Includes optional backup feature to automatically supply power during electrical outages
- > Compatible third-party batteries including the Tesla Powerwall Home Battery and LG Chem RESU, can be added to the existing SolarEdge system



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## THE SOLAREGE SOLUTION

As a PV inverter and power optimisation leader, SolarEdge has shipped more than 2.9GW of its DC optimised inverter solutions to 91 countries. The SolarEdge solution allows panel-level optimisation of your PV system for better system performance and for your peace of mind.



### POWER OPTIMISER

By connecting a SolarEdge power optimiser 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 optimisers
- Small and aesthetic
- Available with 3G SIM card pre-installed. Out-of-the box internet-ready!



### MONITORING

By displaying real-time performance data for each panel, the monitoring platform allows:

- Full visibility of your system's performance
- Automatic alerts on system issues

