

The Smart Solar Solution for Education



solar**edge**

/ Install SolarEdge for Peace of Mind

Installing a SolarEdge solar system will lower the carbon footprint of kindergartens, schools, and universities by generating and using clean, renewable energy. Take the opportunity to educate your students about the many benefits of sustainable technologies, encouraging them to contribute to a greener future.

Advanced safety features

- // PV systems are safe and generally pose no danger to the public 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 turned off, DC wires are designed to automatically de-energize to a safe level, providing protection to installers, maintenance personnel, firefighters, and property
- // Compliant with the most advanced industry safety regulations



Full visibility of system performance

Full visibility of system performance

- // Each solar module is monitored individually to guarantee optimal performance, at all times
- // Module issues are pinpointed on a virtual array map for quick and easy resolution
- // Users can monitor real-time system performance anytime, anywhere, using free mobile applications

Experience the power of the sun

- // PV system production data is accessible to teachers, pupils, and school visitors
- // Compare daily, weekly, monthly, and yearly data to past performance and historical weather conditions
- // Environmental benefits are represented as truckloads of CO₂ emissions saved, equivalent number of trees planted, and light bulbs powered



/ More Power From the Sun

Maximum module power = more energy and more savings

In a solar system, each module has an individual maximum power point. Inherent and environmental differences among modules result in power losses. For example:



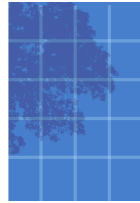
Transportation damage



Different tilt & orientation



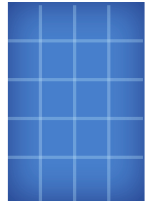
Thermal mismatch



Partial shading

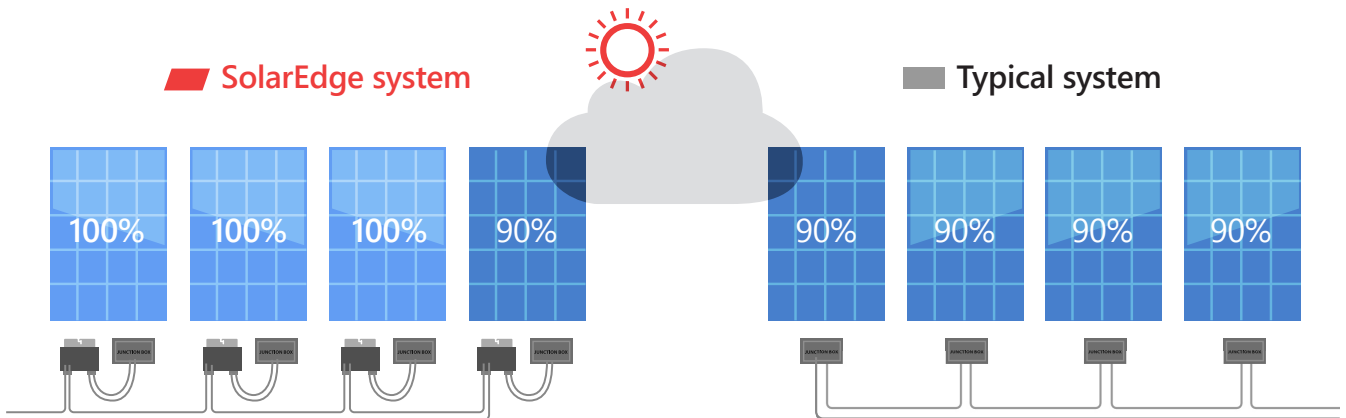


Soiling



Manufacturing tolerance

With traditional inverters, the weakest module reduces the performance of all modules in a string. With SolarEdge, each module produces the maximum energy, and power losses are minimized.



Save your investment with long-term warranties

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



/ Building a Sustainable Future



Power optimizer

Connects to a solar module, converting it into an intelligent panel

- / More energy from each module due to module-level MPPT
- / Flexible design by installing modules on multiple azimuths and tilts for optimal roof utilization
- / Exceptional safety with SafeDC™ - designed to reduce system voltage at the module level during AC shutdown, protecting people and property

Inverter

A simpler and more reliable inverter

- / Responsible for DC to AC conversion only, as all other functions are handled separately for each module by the power optimizers
- / Superior efficiency
- / Small, lightweight, and robust

Monitoring platform

Real-time visibility at module, string, and system levels

- / Bird's-eye view of your system's performance
- / Automatic alerts on system issues
- / An educational platform to study the benefits of solar energy

About SolarEdge

SolarEdge is a global leader in smart energy technology. By deploying world-class engineering capabilities and a relentless focus on innovation, we create smart energy products and solutions that power our lives and drive future progress

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