



MAKING SOLAR SYSTEMS SMARTER

solaredge

LOOKING FOR GREAT REASONS TO GO SOLAR?

It will save you money...

Using solar energy to power your home instead of solely relying on the electricity company will help to reduce your electricity bills. Solar generation can even earn you revenue, depending on your local solar rebate.

It's a smart, long-term investment...

Installing solar may enhance your property value and reduce the effect of rising electricity costs.

It just feels right...

Lowering your carbon footprint by generating and using clean, renewable energy will contribute to a greener future.

Just imagine your future, harnessing hours of free, inexhaustible sunlight every day to safely power your home and increase your energy independence.

With solar technology more affordable than ever, **now is the time to go solar.**

HOW DOES SOLAR ENERGY WORK?



1. Solar panels, built using photovoltaic (PV) cells, capture and convert sunlight into clean DC electricity. This process even works on cloudy days, as direct sunlight is not needed to produce solar energy.

2. A solar inverter converts the DC electricity generated by the solar panels into grid-compliant AC electricity to power the home.

3. Utility power is provided when needed e.g. at night or during peak demand periods. Excess electricity can also be exported to the utility for credit or revenue, depending on the available solar scheme.

SMART SOLAR SOLUTIONS FROM SOLAREEDGE

Optimise Your PV System with SolarEdge

SolarEdge's award-winning technology achieves higher solar PV production than traditional systems. By using power optimisers, which are connected to each solar panel on your roof, and a SolarEdge inverter, the output of each panel is optimised. This design brings multiple benefits including panel-level, online monitoring and superior safety features.

By installing a SolarEdge solar PV system, you can easily upgrade it in the future with our battery storage and home automation solutions, all under the control of a single SolarEdge inverter.



Power Optimiser Inverter

Increase Your Solar Self-Consumption

Consumption monitoring allows you to adapt your electricity consumption to your SolarEdge PV production, thus increasing self-consumption and minimising electricity purchased from the grid.



Looking for Energy Independence? Try Battery Storage

Compatible with high powered batteries from LG Chem, the StorEdge™ solution is designed to maximise your solar energy usage for increased energy independence, lower electricity bills and greater self-consumption.

Unused PV power is stored in a battery and used when needed to help meet your home consumption demands and provide backup power during grid failures. StorEdge is a DC-coupled battery storage solution providing higher system efficiency than AC-coupled solutions.



Available on



Use the SolarEdge PV Self-Consumption Simulator to estimate your self-consumption following installation of the StorEdge solution in your home

Take Control with Home Energy Management

Cut your water heating costs by using SolarEdge's Immersion Heater Controller to direct excess PV energy to your electric water heater for hot showers for the entire family.

Left the house in a rush? Just tap on your smartphone to turn off the lights. Use SolarEdge smart switches to control your household appliances remotely and on-the-go via our online monitoring platform.



THE COMPLETE SOLAREEDGE RESIDENTIAL SOLUTION

The SolarEdge Smart Energy Management solution integrates solar energy production with battery storage and home energy management, all under the control of a single SolarEdge PV inverter. The SolarEdge DC-optimised system provides substantial benefits for both single and three phase powered homes, including more PV power, higher system visibility and advanced safety features.

Home Energy Management

Increase your solar energy usage with SolarEdge smart home devices. Utilise excess PV production to power heat pumps, electric water heaters, lighting or other typical home appliances.

Enjoy greater convenience with automatic, on-the-go control of your smart devices via the SolarEdge mobile monitoring app.



Dry Contact Switch



Immersion Heater Controller



Monitoring

Use SolarEdge's free, online monitoring platform to view your system's real-time performance data and receive system alerts. Easy access from mobile devices anytime, anywhere.



Power Optimiser

Connects to each solar panel on your roof enabling them to perform independently, providing greater energy production, enhanced safety, and constant information from each panel.



Inverter

The brains of the PV system, the inverter efficiently collects and converts DC energy from the solar panels to AC electricity for use in your home. Small and lightweight, it's ideal for indoor or outdoor installation in both single and three phase powered homes.




Single phase
(with backup power option)



Three phase

StorEdge™

Store unused PV energy directly on compatible, high power DC batteries from LG Chem to maximise your energy independence, lower your electricity bills and provide backup power. StorEdge is a DC-coupled solution enabling higher system efficiency.

Compatible with  LG Chem



WHY CHOOSE A SOLAREGE SYSTEM TO POWER YOUR HOME?



More Energy from the Sun

More power = more savings on your electricity bill

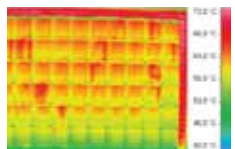
In a PV system, each panel has an individual maximum threshold. Differences between panels introduce power losses and can lead to underperformance of the entire system over time.



Soiling



Potential future shading



Temperature difference

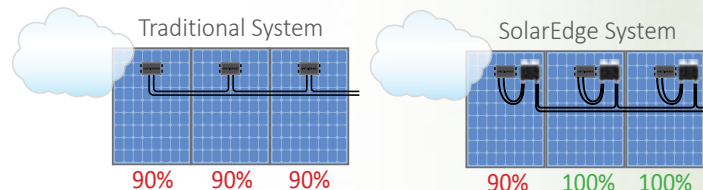


Bird droppings



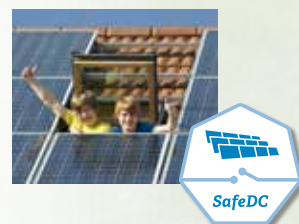
Leaves

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.



Exceptional Safety

SolarEdge's SafeDC™ feature is designed to reduce the PV array to a safe voltage upon AC or inverter shutdown, offering more protection to installers, firefighters, and your home. It's like providing an 'off' switch for the panels. (Certified in Europe as a DC disconnect according to IEC/EN 60947-1 and IEC/EN 60947-3 and to the safety standards VDE AR 2100-712 and OVE R-11-1).



More Aesthetic Rooftops



SolarEdge enables optimal rooftop utilisation, resulting in a more aesthetic design, for more energy and more savings. SolarEdge enables you to mix and match panel types, giving you the option to easily expand your array at a later date.

Full System Monitoring

A solar PV system without monitoring would be like a car without a dashboard. How fast are you driving? Do you have enough fuel? The SolarEdge monitoring platform provides free, real-time visibility into the performance of each panel in your set of solar panels and is accessible from any computer, smartphone, or tablet, anytime, anywhere.



Long-Term Warranties

SolarEdge products are field-proven and built for lasting performance. This enables us to offer warranties which are amongst the longest in the industry, including 25 years for SolarEdge power optimisers and 12 years for inverters (extendable to 20 or 25 years for an additional cost). Protect your investment and enjoy peace of mind.





About SolarEdge

SolarEdge is a leading supplier to the global inverter industry, traded on the NASDAQ under the SEDG symbol. We invented an intelligent inverter solution that overcomes the shortcomings of traditional inverter systems, boosting your home's power production and maximising your electricity savings.

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