



MAKING SOLAR SYSTEMS SMARTER

**solar**edge



# 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 electric company will help to reduce your electricity bills. Generating solar electricity also earns you revenue through the Feed-in Tariff.

## 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. Any excess electricity is exported to the utility grid.

# SMART SOLAR SOLUTIONS FROM SOLAREEDGE

## Optimise Your PV System with SolarEdge

SolarEdge's award-winning technology achieves higher 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 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.



## Become More Energy Independent — 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. 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 Automation

You can also divert excess PV energy to cut your water heating costs by using the SolarEdge Immersion Heater Controller.

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.



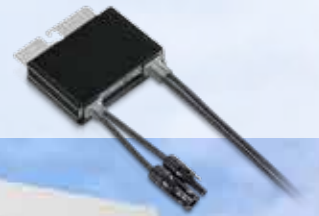


# THE COMPLETE SOLAREEDGE RESIDENTIAL SOLUTION

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

## Power Optimiser

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



## Home Automation

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

Enjoy greater convenience with automatic, on-the-go device control via SolarEdge's monitoring platform.



Smart Switch



Immersion Heater Controller



Smart Plug

## 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.



## StorEdge™

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



## 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.





# WHY CHOOSE A SOLAREEDGE SYSTEM TO POWER YOUR HOME?



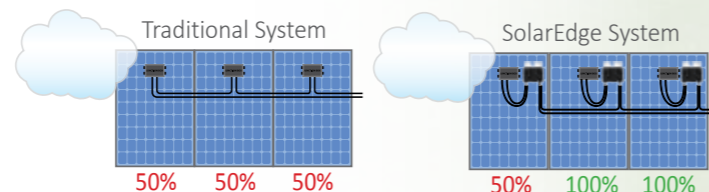
## More Energy from the Sun

### More power = more savings on your electricity bill

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

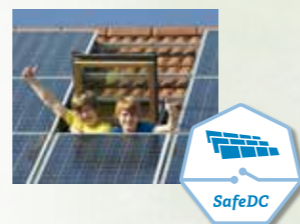


With traditional inverters, the weakest panel reduces the performance of all panels. With SolarEdge, each panel produces the maximum energy, and power losses are eliminated.



## 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 installers to install more panels on your roof.

## 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 petrol? The SolarEdge monitoring platform provides free, real-time visibility into the performance of each panel in your solar array and is accessible from any computer, smartphone, or tablet, anytime, anywhere.



## Long-Term Warranties

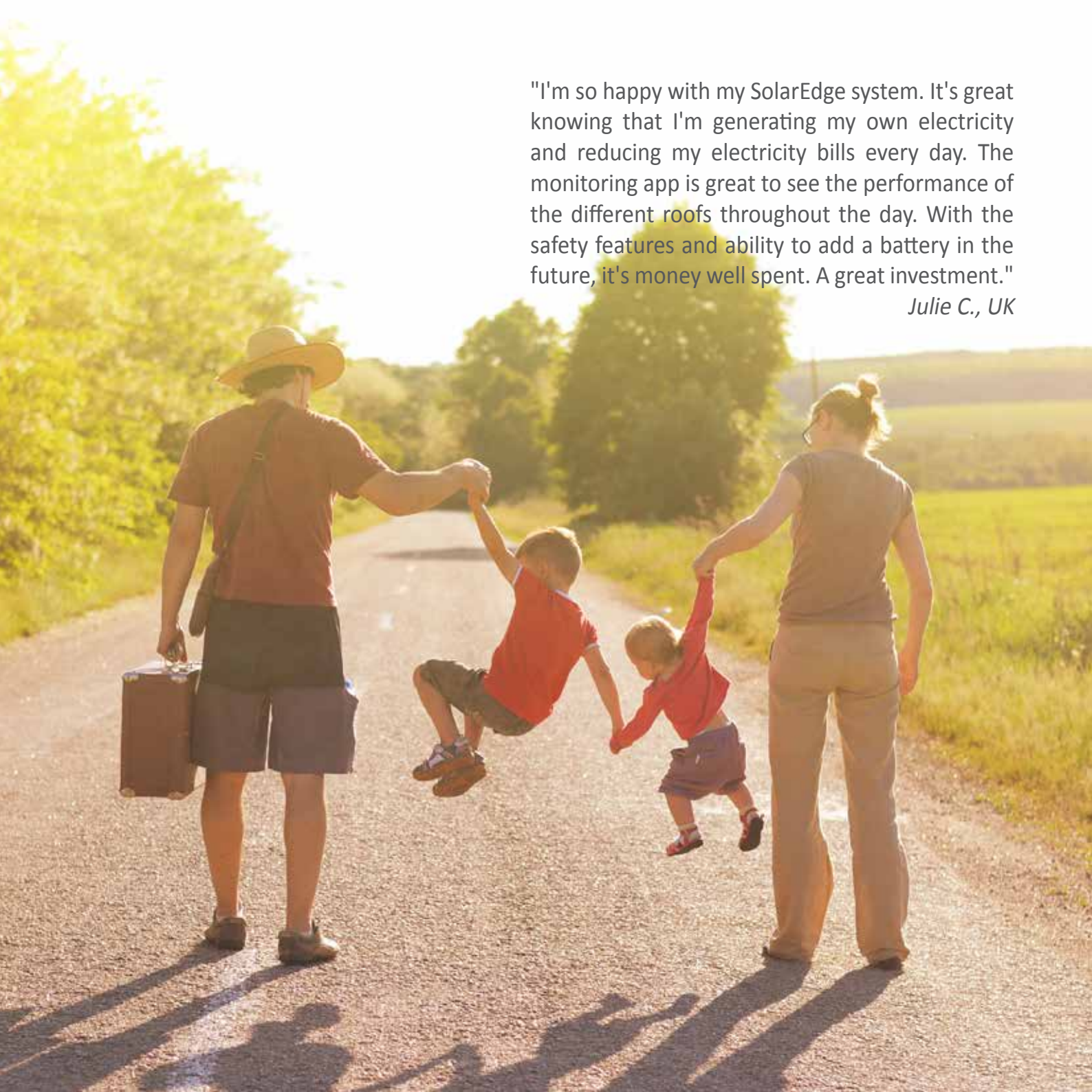
SolarEdge products are field-proven and built for lasting performance. This enables us to offer warranties which are amongst the longest in the industry, including 25 years for SolarEdge power optimisers and 12 years for inverters (extendable to 20 or 25 years for an additional cost). Protect your investment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





"I'm so happy with my SolarEdge system. It's great knowing that I'm generating my own electricity and reducing my electricity bills every day. The monitoring app is great to see the performance of the different roofs throughout the day. With the safety features and ability to add a battery in the future, it's money well spent. A great investment."

*Julie C., UK*



### 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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