

solar^{edge} *Home*

Power Your Life Your Way



The future-ready smart energy ecosystem that lets you control and optimize your production, consumption, storage and backup.

WELCOME TO SMART ENERGY LIVING

SolarEdge Home introduces a new concept in home smart energy. It goes beyond solar energy production, automatically storing, distributing and managing the electricity you generate throughout your home, day and night. SolarEdge Home does all the hard work for you – like knowing when and how much energy to store in your battery, how to best balance your home's energy loads for maximum savings, the most cost-effective way to charge your EV, and how to make sure the power always stays on.

So, with SolarEdge Home, you're not only producing more solar energy, you can also use more of the energy you generate.



SHRINK YOUR ELECTRICITY BILLS

Produce the maximum amount of solar energy possible and optimize your energy usage around the clock to increase your savings.

STAY POWERED UP

Store your solar energy and use it to run your home at night when the sun goes down. Keep your appliances running longer during power outages.

BE CERTAIN

Get dependable energy when and where you need it, backed by the longest product warranties in the industry and the world's #1 home inverter company*.

* According to the World PV inverter supplier rankings by revenues, IHS PV inverter market tracker, fourth quarter 2022

TAKE CONTROL

View and manage energy production and consumption through a single easy-to-use app and enjoy seamless operation of all system components.

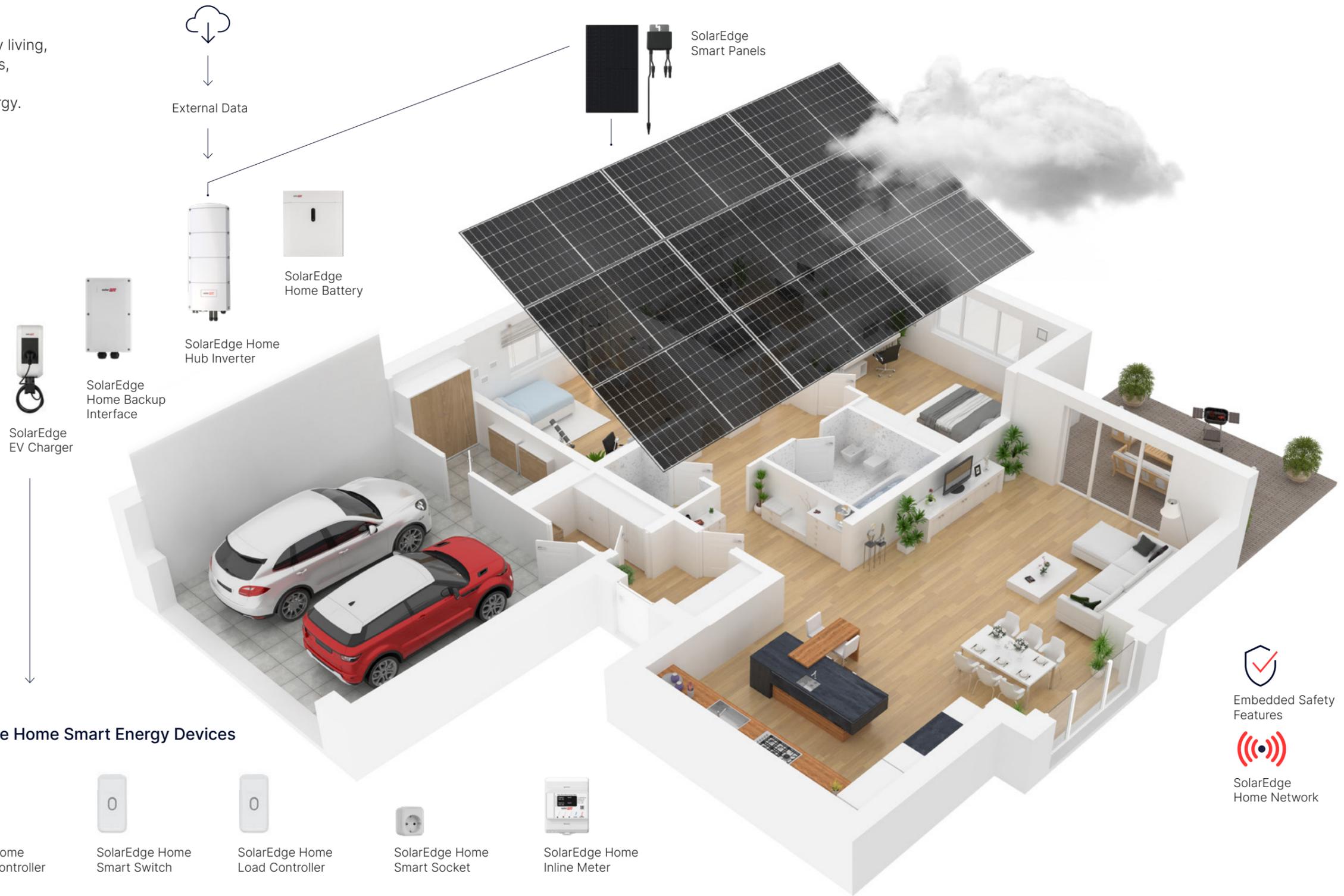
The SolarEdge Home Ecosystem

The SolarEdge Home ecosystem includes everything you need to enjoy smart energy living, from award-winning inverters and batteries, to EV chargers, backup and smart energy devices that expand your use of solar energy.



See your savings in real time

It's easy to manage your energy production, consumption, savings and CO₂ reduction with the mySolarEdge mobile app, a real-time dashboard that tracks your energy.



SolarEdge Home Smart Energy Devices

- 
 SolarEdge Home Hot Water Controller
- 
 SolarEdge Home Smart Switch
- 
 SolarEdge Home Load Controller
- 
 SolarEdge Home Smart Socket
- 
 SolarEdge Home Inline Meter

- 
 Embedded Safety Features
- 
 SolarEdge Home Network

SolarEdge Smart Panels

Premium solar modules integrated with SolarEdge Power Optimizers to maximize energy output and monitor individual module performance.

SolarEdge Home Hub Inverter

The "brain" that converts DC power created by your SolarEdge Smart Modules into the AC power you use in your home while managing storage, backup and your smart devices.

SolarEdge Home Battery

Stores your energy to use after sundown during peak rates or to power heavy energy-consuming appliances.

SolarEdge EV Charger

Enables you to charge your electric car at home with cleaner and cheaper renewable energy so that you're literally driving on sunshine.

SolarEdge Home Smart Devices

Complete suite of devices used throughout your home to maximize your consumption of solar energy.

SolarEdge Home Network

Wireless communication platform that connects the smart energy devices without the need for cables while overcoming physical limitations.

Saving money while you save the environment.

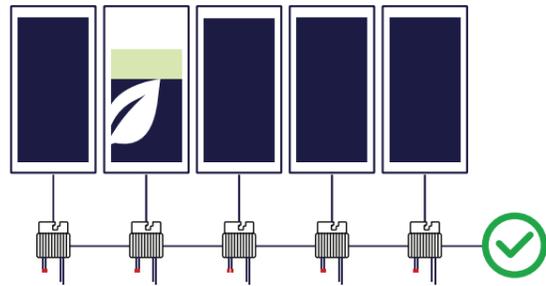
Because you produce the most solar energy possible, every single day, SolarEdge Home allows you to continue enjoying your lifestyle while reducing your carbon footprint.

SolarEdge invented a new way to harvest solar energy by maximizing the production of each panel. You can place panels virtually anywhere on the rooftop, send excess energy to your battery, and oversize your inverter – which means adding panels to support peak production for more hours in the day.

Because SolarEdge Home is DC coupled, it requires fewer power conversions, maximizing the energy you produce and store.

Overcoming the production limits of other systems

SolarEdge Home = more energy

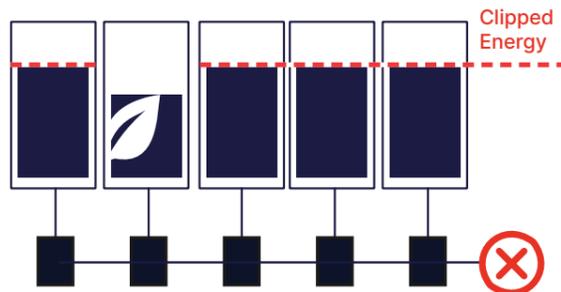


Traditional residential PV systems have certain built-in limitations: for example, each panel will only produce as much energy as the weakest performing panel in a string. Shading or debris on only one panel reduces production of the entire string of panels. And these panels must be identical, installed at the same angle and facing the same direction. This wastes roof space and can prevent you from adding newer, more powerful panels in the future. Basically, you don't get all the energy you could.

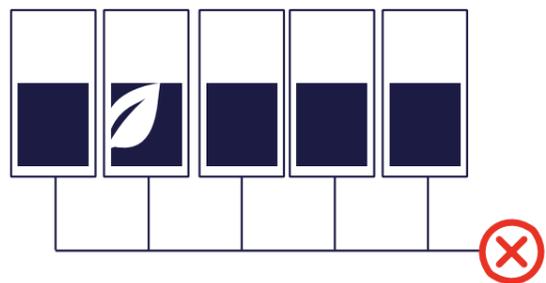
And while microinverter technology enables each panel to perform individually, the amount of energy produced from each panel is limited, which means not harvesting the maximum from your panels, and limited production from shaded panels.

SolarEdge Home's technology overcomes these limitations enabling you to produce more energy - so you can have more energy to use, to store, to drive or to sell.

Microinverter design means they "clip" (waste) energy



String inverter systems reduce production of all panels when one is affected



The savings don't stop there.

No extra DC-AC power conversions are needed to store energy in the SolarEdge Home Battery – leaving you more energy to use at night. And SolarEdge Home optimizes the way you use your energy in the home to maximize your savings; it balances electrical loads from household appliances, EV charging, and more, while adapting to your family's preferences and habits.

With SolarEdge Home, the more money you save, the more you protect the environment. Now that's progress.

With SolarEdge Home, safety is built in

When you produce your own energy, safety isn't an optional feature. SolarEdge is world renowned for safety innovations and is recommended as the solar energy equipment of choice by many leading insurance companies.

Our multi-layered safety features include module-level monitoring to detect faults before they escalate, SafeDC™ automatic voltage shutdown and embedded arc fault detection.

Discover the magic of 24-hour solar power

SolarEdge Home enables you to run your home ecosystem on solar energy day and night.

You save power for peak demand periods by storing excess solar production in your SolarEdge Home Battery. If the grid goes down, just power up with your stored energy.



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Get ready for your future

SolarEdge Home is designed to grow with you and increase your energy independence. Install what you need today and easily add more panels, storage, backup capabilities, EV charging and smart devices as you need them.



About SolarEdge

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

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