



# Smart home solar

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The SolarEdge Home Inverters and Power Optimizers deliver more solar energy and more savings.

Store more excess energy in your SolarEdge Home Battery, and keep the power on during an outage with the Backup Interface.

Managing your energy production and consumption is easy with the mySolarEdge app.

The industry's most stringent safety features protect your family and your investment.

Contact a product expert or sales representative

The conversation about Smart Homes may be familiar to some, but as the integration of new technology is rarely instantaneous, it's worth exploring what a Smart Home is and how best to think about approaching your own Smart Home project. If you're interested in receiving guidance on creating your own solar powered Smart Home, we offer free consultations with our energy specialists.

As you consider the various components that will comprise your perfect Smart Home, don't forget to account for the energy usage of each element you bring together. Especially as your usage increases seasonally, you'll want to be prepared to control the heating of your home in winter, and the cooling of your home in summer!

Taken as a whole, an IoT (Internet of Things) capable Smart Home requires a lot of power to operate, and where that energy comes from should be part of the conversation. If we want to achieve a sustainable model for the Smart Home, it's time to bring solar power to the table. Let's take a look at some of the most common elements of a Smart Home, and begin to think about how we can make them all work together, cleanly and efficiently.

So what exactly is a Smart Home? Generally speaking, the concept of a Smart Home is a house filled with appliances and products that are designed with comfort, connectivity, and control in mind. These items should perform a useful function, but also provide value to the homeowner through access to data insights and control over functionality.

With some smart consideration as to the setup of your systems, your home can integrate new pieces of technology seamlessly, and allow them to work in concert to make your life easier and more convenient. There are many different elements to consider when swapping out your current setup for smart appliances, as there are many companies that have invested into this technology.

You'll have to decide which pieces play well together, and construct a system from the best possible parts.



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The process of assembling a top tier Smart Home is not unlike that of designing a top tier residential solar system, but we'll discuss how to bring these elements together shortly. For now, let's talk about tech.

Some of you will read this guide and already be familiar with many of the Smart Home basics, but before we talk about the place of solar energy in the modern Smart Home, we wanted to establish a level playing field for understanding Smart Home technology.

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