

the Self-Use Solution

it's green, it's smart and it makes you independent



It is clear that your solar panels generate the most energy during the day when the sun is shining. But it's also a fact that you tend to use the least energy during the daytime.

As a result self-generated energy is usually fed into the grid during the day and then we use energy from that same grid in the mornings and evenings on workdays. This is because these are the main times when we use our home appliances.

optimize your self-use

In order to stimulate the use of self-generated energy and to minimize the load on the grid, some countries have introduced schemes aimed at stimulating the use of self-generated solar energy (self-use). These measures make it possible for customers to use the energy they generate immediately without first feeding into the grid.

The PowerRouter helps you make the most efficient and productive use of the self-use incentives. There are actually two ways to optimize your self-use share: shift the use of certain appliances (such as dishwashers and washing machines) to the time when energy production is higher and store self-generated energy in batteries for use at a later time.



figure 1: optimize your self-use

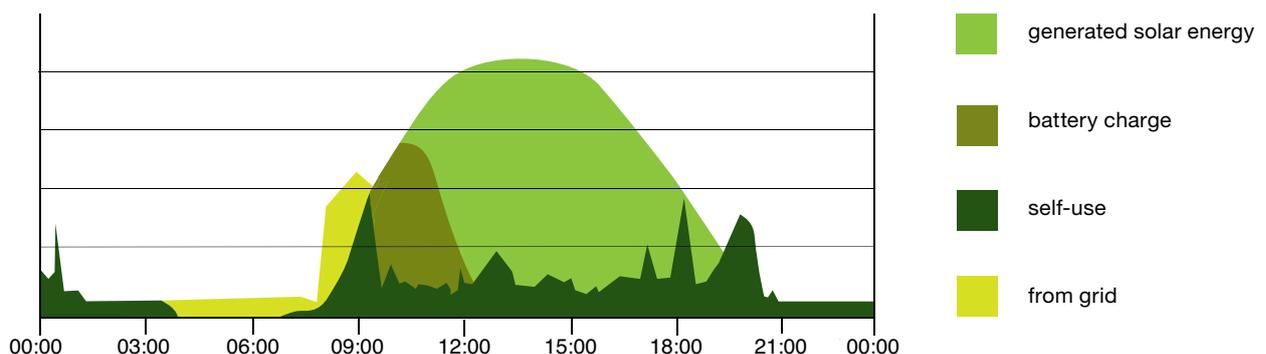
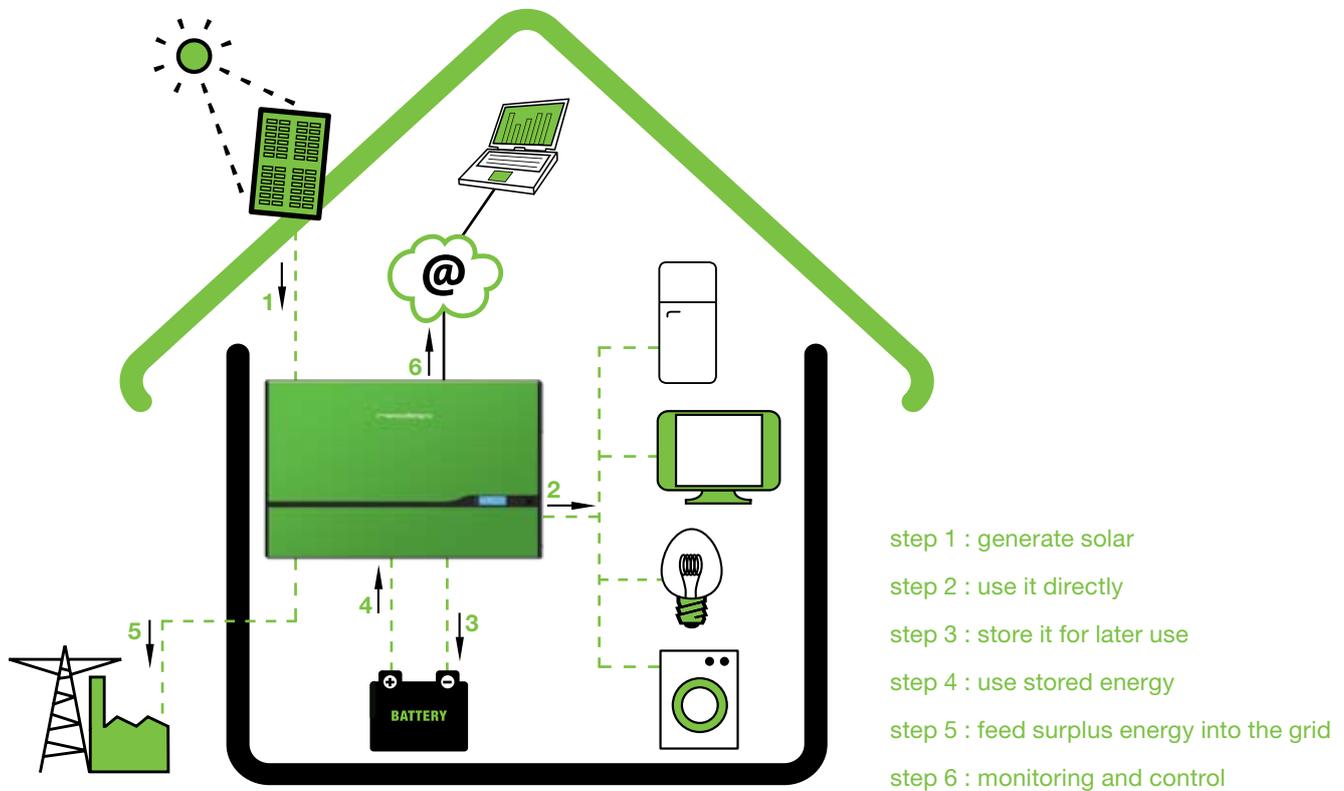


figure 2: self-use situation with optimization using the PowerRouter with batteries

Advantages of the PowerRouter

- ✓ The PowerRouter routes your energy in an intelligent way. If you produce more energy than you're using at that time, you can store your energy in batteries for later use and feed the surplus into the grid. This results in optimization of up to 70%.
- ✓ Thanks to the PowerRouter's all-in-one design, you can achieve a higher efficiency system compared to other solutions. You simply connect solar panels and batteries to one system.
- ✓ The myPowerRouter.com web portal provides you with access to a comprehensive overview of your energy production, consumption and system status, anytime, anywhere.
- ✓ The PowerRouter comes with a unique feature that enables to supply backup power in the event of a grid failure, giving you greater independence from the grid.
- ✓ The more you optimize the self-generated energy through a PowerRouter with batteries, the less dependent you are on rising energy prices, the lower your energy bills will be and the greater incentive you will have.
- ✓ The PowerRouter's intelligent battery manager charges and discharges the batteries optimally in order to extend the life of the batteries.
- ✓ The PowerRouter is easy to install and easy to configure.
- ✓ The 'connect and grow' capability means you can start with the PowerRouter Solar and then easily expand the system by adding batteries.



The PowerRouter is the perfect solution to make the most of your self-generated solar energy. Without changing your daily consumption behavior. **You're in charge.**