



Save energy with
Niko Home Control

niko





Niko Home Control, the heart of every energy-efficient home

The energy landscape is changing rapidly, with fluctuating prices causing a great deal of uncertainty in the market. At the same time, households are demanding more and more energy owing to the rise of major consumers such as heat pumps, charging stations for electric cars and even home batteries. More and more households are also generating their own electricity with solar panels. This requires a new way to consume energy. Niko is happy to guide you through this new energy landscape by providing all the tools you need to save energy easily.

Niko Home Control is the solution for keeping energy in balance and managing all consumers in the home centrally and efficiently. Here, you will find out how Niko Home Control is a reliable partner when it comes to gaining insights into energy consumption, optimising energy efficiency and, ultimately, keeping the electricity bill as low as possible.

Every Niko Home Control installation begins with a connected controller for bus wiring combined with a wireless bridge, or with a wireless smart hub for traditional wiring. These are the crucial central elements that ensure all systems in the home are aligned to one another and can be centrally managed.



Don't let your solar energy get lost

Gain insight into your energy usage

The first step in good energy management is knowing just how much electricity you use or produce. You can easily save 10 to 12% in energy by monitoring your energy consumption and adjusting your habits where needed.

Niko Home Control makes it easier than ever to gain a detailed overview of the source of energy and where this is being used. This data is then used to optimise a home's energy efficiency.

By monitoring your main consumption and the yield of your solar panel production, you'll be able to see how much of your own generated solar energy is injected back into the grid.

You'll be able to see what your total solar panel production has been, how much energy you have used yourself and how much has been injected back into the grid.



Niko Home Control offers the possibility to connect to many Solar Panel systems. Discover them in our Niko Home Control ecosystem.

What do you need to gain some insights?

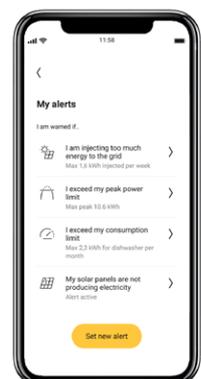
	Connected controller with wireless bridge for bus wiring	Wireless smart hub for traditional wiring
Monitoring general consumption in the home	Connection to the digital meter Electricity measuring module	Connection to the digital meter Wireless measuring module
Monitoring the production from solar panels	Electricity measuring module API connection to SMA inverter	Wireless measuring module API connection to SMA inverter
Monitoring specific circuits or heavy loads	Electricity measuring module	Wireless measuring module
Monitoring the consumption of specific devices	Connected socket outlets Smart plugs	Connected socket outlets Smart plugs

Monitoring & smart alerts

With Niko Home Control, all of the systems and devices in your home are monitored so you can benefit from smart alerts about your energy consumption.

For instance, you'll receive notifications on the Niko Home app when there is abnormal electricity or gas consumption, helping you avoid a nasty surprise on your energy bill. Over-production from your solar panels or a peak in your consumption will also trigger a notification, so that you can switch a few devices on or off for a while.

Thanks to these smart reports, you never need to worry about tracking consumption again as it is all done for you.





Automated routines for optimum energy efficiency

With Niko Home Control, you have intelligent control of all the devices in your home with automatic routines. This includes not only controlling your lighting with it, but also your shutters and sun blinds, heating and ventilation, doors and windows and even your music.

The centralised control of all these devices, combined with smart insights into your energy consumption and production, can help you optimise your energy efficiency. Combine different functions in time schedules or automated routines to help you save energy, increase your self-consumption and avoid peaks.

Automatic self-consumption with solar mode

With a number of household products consuming a lot of energy – such as your electric boiler, heat pump, electric car or even your washing machine – it's more advantageous than ever to use the free energy you produce when it's available.

Niko Home Control's solar mode ensures that connected devices are automatically activated when there is more production than consumption of solar energy. Thanks to automatic management of your devices based on the available solar energy, self-consumption is increased and distribution costs are driven down.

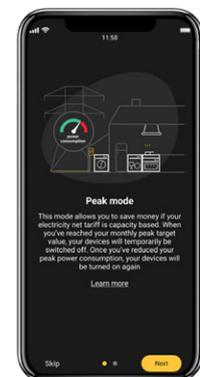


Avoid additional costs with peak mode

To avoid significant peaks in your energy consumption, Niko Home Control's peak mode will manage your different devices and appliances to make sure consumption is nicely balanced out.

What does this mean? When a certain device is turned on, Niko Home Control may temporarily stop charging another device or temporarily lower your ventilation, to keep your consumption below a certain level.

You can choose the settings for the routine based on your preferences.



What do you need for solar mode and peak mode?

	Connected controller with wireless bridge and electricity measuring module for bus wiring	Wireless smart hub with wireless measuring module for traditional wiring
Smart charging for charging station	API connection to charging station Switching module	API connection to charging station
Heating, hot water, smart ventilation control	API connection to heating and ventilation systems Heating/cooling module	API connection to heating and ventilation systems
Switching devices on and off automatically	Connected socket outlet Smart plug Switching module	Connected socket outlet Smart plug

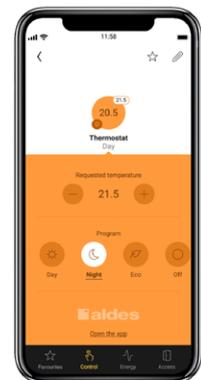
Smart control of major consumers

More and more systems at home run on electricity. Naturally, this can significantly affect the energy bill, especially in the case of major energy consumers such as heat pumps or charging stations for electric vehicles. That makes it crucial to manage these systems smartly. Niko Home Control takes account of all the energy consumers in the home so as to create an optimum balance between consumption and production, meaning energy costs are easy to keep under control.

Always the right climate at home

With Niko Home Control's central control, you can always enjoy an optimum climate in every corner of your home in the most energy-efficient manner.

Thanks to multi-zone heating, the temperature is measured and regulated per room. As such, it stays warm where it needs to, while the rest of the home saves energy by not unnecessarily heating unused rooms. Is the sun shining? In winter, your sun blinds will automatically open to let the sun in. In summer, your sun blinds will roll down to keep your home cool. Has a window been opened somewhere while the heating is on? Then it will automatically switch off for a while.



What do you need for multi-zone heating?

	Connected controller with wireless bridge for bus wiring	Wireless smart hub for traditional wiring
Measuring temperature	Push buttons with LED and comfort features combined with the heating/cooling module API connection to heating and ventilation systems	API connection to heating and ventilation systems
Reading and adjusting temperature or ventilation	Niko Home app Digital black	Niko Home app Digital black

API partners for heating and ventilation:



Niko Home Control offers the possibility to connect to many HVAC systems. Discover them in our Niko Home Control ecosystem.

Dynamic tariffs: pay less, consume smarter

In addition to fixed and variable tariffs, Niko Home Control also offers the option of using dynamic tariffs. This means that the price of electricity fluctuates based on market prices. This can even be done to an hour's accuracy. This information allows you to shift your energy consumption over time. For example, to a time when there is a lot of wind or solar energy, or when the price is very low or even negative.



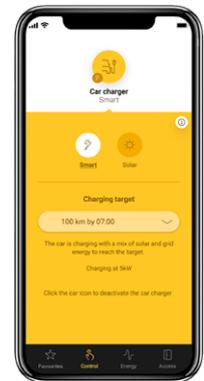


Smart charging: full charging in the most efficient way

Charging an electric car requires a lot of energy. Niko Home Control manages your charging process optimally, taking into account the available solar energy and peak moments in your consumption. This way, you can always be sure to charge your electric car in the most efficient way, without sacrificing any comfort.

Do you want to be sure that your car is fully charged when you need to leave?

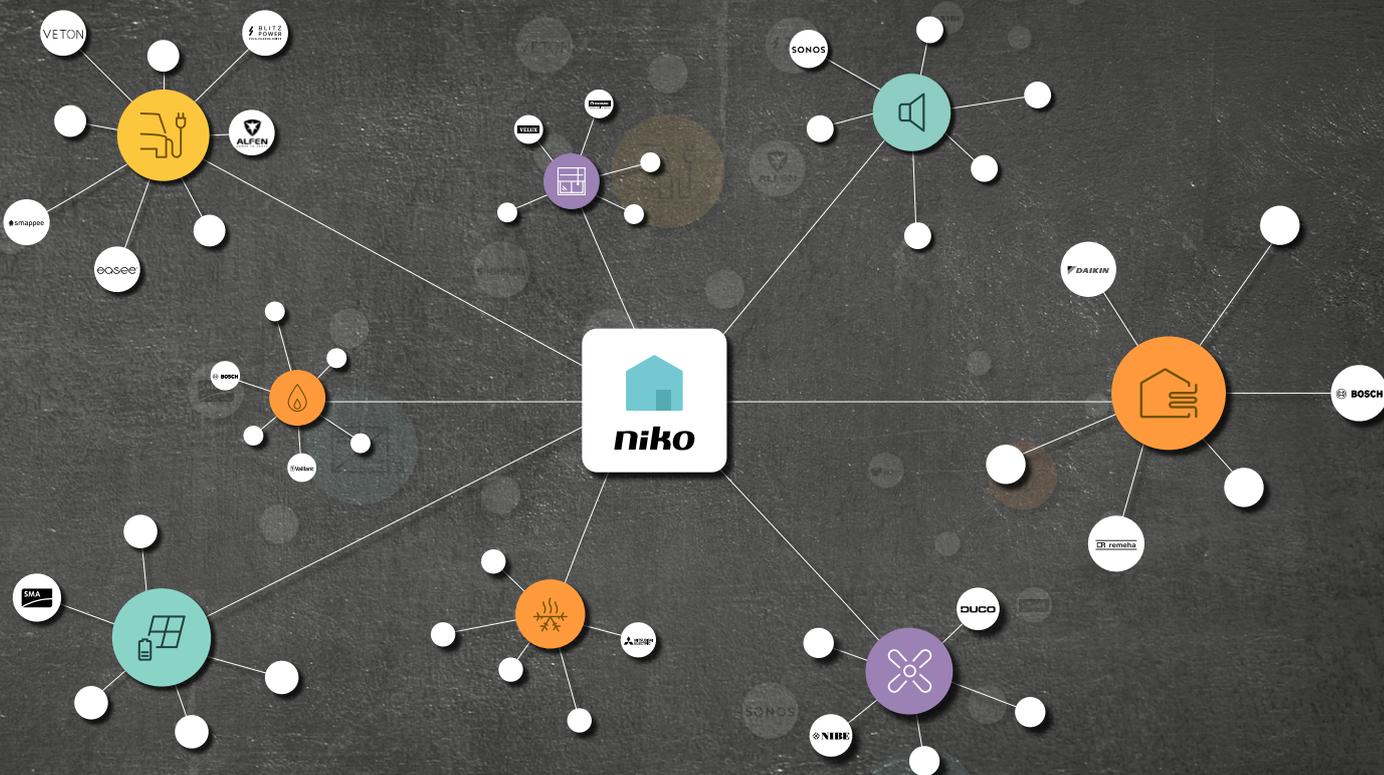
The Niko Home app allows you to indicate whether or not you want to charge in line with solar mode.



What do you need for smart charging?

	Connected controller with wireless bridge for bus wiring	Wireless smart hub for traditional wiring
Monitoring general consumption in the home	Connection to the digital meter Electricity measuring module	Connection to the digital meter Wireless measuring module
Smart charging station control	API connection to charging station	API connection to charging station

API partners for charging stations: ALFEN VETON MENNEKES® BLITZ POWER PLUS.CHARGE.DRIVE ABB eassee® smappee



Your entire home within your reach

With Niko Home Control, you can smartly control just about all the systems in your home. This not only means some serious savings on your energy bill, but also greater comfort and peace of mind. You have all the systems in your home within your reach, whether you are at home or not.

So how exactly are those systems connected?

The easiest way is to connect them to the system through wiring, smart socket outlets and measuring or switching modules. Communication within Niko Home Control can be wired or wireless; to that end, the system supports standard protocols like Easywave and Zigbee®, but the software can also be used to make a connection to a whole range of reliable partner brands.

Niko has partnered up with A-brands like Renson, Mitsubishi Electric Daikin and Velux to offer you seamless control of all the important systems in your home, from heating to sun blinds and even audio. Because these connections are seamlessly integrated into our software, they are easy to activate and often provide more extensive and, especially, reliable functionality.



More information about our Niko Home Control ecosystem can be found here:

www.niko.eu/partners.



Do you want to take the next step? Then you can make use of external IOT platforms, such as Google Assistant, or make use of Niko's APIs, with which you can program connections to other systems yourself.

Niko designs electr(on)ic solutions to enhance buildings to better suit the needs of the people who live and work in them. By using less energy, by improving light comfort and safety and by making sure all applications work together seamlessly. Buildings with Niko are more efficient, are controllable from a distance and interact within bigger ecosystems. Niko is a Belgian family business from Sint-Niklaas with 700 employees and 10 European branches.

At Niko, there is one question that keeps us busy every day: "How can we enhance buildings to better suit your needs?"

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Read more about
saving energy with
Niko Home Control.

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