

EcoSwitch Manual

EN

V2.6

VC2318



**EcoSwitch Plus
UK**



**EcoSwitch Plus
EU**



**EcoSwitch
EU**



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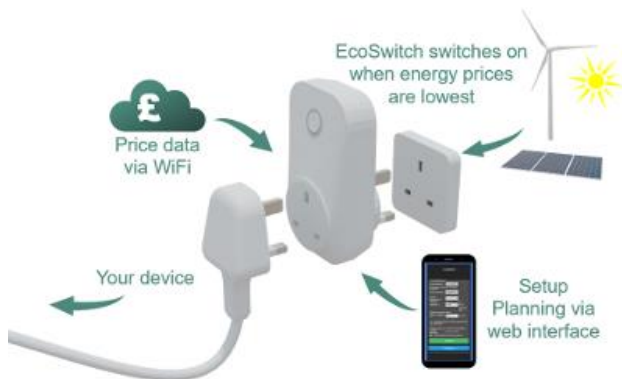
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1 Introduction

The EcoSwitch is a smart switch you can plug into the wall outlet. Plug the cable of your electrical device into the switch.

The EcoSwitch retrieves energy prices via WiFi from the internet and switches on when the price is lowest. In the web interface you can create a schedule, which determines during which hours (and for how long) the EcoSwitch is allowed to be switched on. The EcoSwitch will then calculate a plan that suits your needs.



You can use this switch for, among others:

- Electrical boilers
- Close-in boilers (kitchen boilers)
- Electrical vehicles and PHEV's
- Waterbeds
- Swimming pools
- Aquaria

Why is the EcoSwitch useful?

Even without reducing your energy consumption, you can reduce greenhouse gas emission if you choose the best moment to use energy. If you have a flexible contract with your energy supplier (when pricing depends on the hour of the day you are consuming energy), you will not only protect the environment, you will save money as well.

At certain times during the day, there is more electrical power available from sustainable energy sources, for example solar panels and wind turbines. This results in less CO₂ emissions per kilowatt hour. If you consume power during those hours, the environment will be taxed less.

The EcoSwitch can carry up to 10 Ampères. At 230 Volts this is 2300 Watts electrical power of the connected device.

It is possible to switch currents [greater than 10A](#), but only indirectly, because 10 A is the maximum for the EcoSwitch. It can be done using an external relay, an electrical contactor.


2 Installing the EcoSwitch

EcoSwitch can access the internet via your WiFi network to retrieve the current electrical power price data.

The procedure to install the EcoSwitch is this:

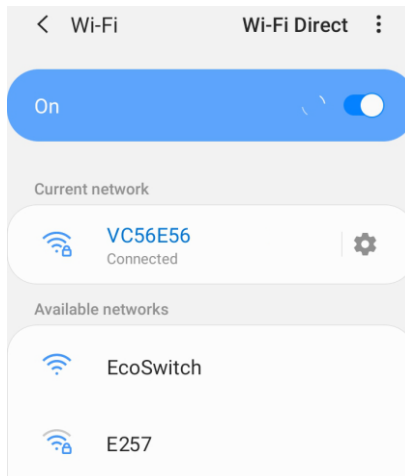
- Plug the EcoSwitch into the wall socket.

When the EcoSwitch is used for the first time, it will now become a WiFi Access Point automatically. If you want to make this happen at any other moment, do the following:

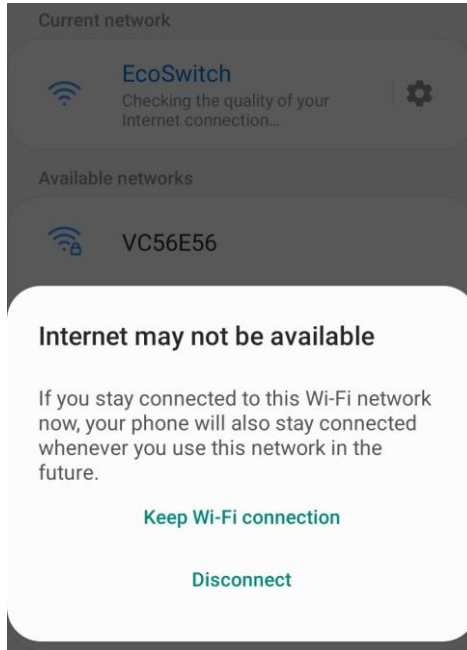
- Press the ON/OFF-button (quickly) 6 times. This button has the  symbol. It is important to do this quickly. If you hear the EcoSwitch switching on or off, it wasn't fast enough. Please note it has to be exactly 6 times.

When the EcoSwitch has become a temporarily WiFi Access Point, a LED will blink, and then you can connect to the switch directly using your mobile phone.

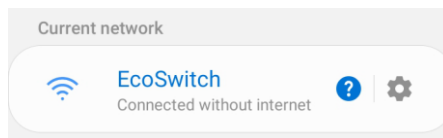
- On your phone, go to the WiFi settings and search for new networks.



- Connect to the network called “EcoSwitch”. It may take a few seconds up to a couple of minutes before this network appears in the list. Otherwise, restart the procedure (click the ON/OFF-button 6 times).

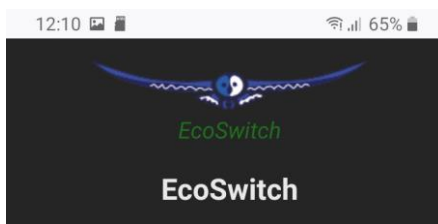


When the connection is established, your phone may warn you that internet is not available. This is normal; choose to keep the WiFi connection. Then your smartphone is connected to the WiFi network with the name “EcoSwitch”.



- In the browser on your phone, go to <http://192.168.4.1>. This is a temporarily address; after configuration the EcoSwitch will no longer be reachable at this address.
- When prompted to log on, use these credentials:
Username = eco

Password = power



- The EcoSwitch shows a list of detected WiFi networks. Select your own WiFi network.

The web page shows:

- WiFi network edit box
 - WiFi password edit box
 - Hostname edit box
 - Save button
 - Other buttons (for configuration and reboot)
- Fill in the WiFi password that belongs to your WiFi network.
 - Optionally, choose a hostname for the EcoSwitch in the network. The default name is "EcoSwitch". If you have more than one EcoSwitch devices in your network, it is important to give each of them a unique name. You can use this name later to access the switch via the browser. If the hostname remains "EcoSwitch", the switch will be accessible via <http://ecoswitch.local>.
Note: It is not possible to use space or special characters (except the minus sign -) in this name.

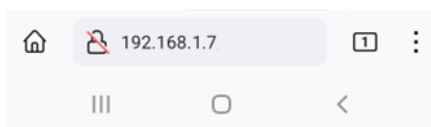
The hostname will be registered via mDNS and is only valid within your network. If your smartphone does not support mDNS you cannot access the EcoSwitch from your smartphone by using an address that ends with .local. In that case, the EcoSwitch is only accessible from your phone via the new IP address that has been assigned to it.
On any device supporting mDNS, for example your PC, you can use a .local address to access the EcoSwitch.

- Press Save

It might take a minute before the EcoSwitch establishes a connection to your WiFi network. When a connection is successfully made, the browser will show you the new IP address that your network has assigned to the EcoSwitch, for example “Redirecting to new IP address 192.168.1.7”. Within a few seconds, the browser will open this address.

Your phone should be reconnected to your own WiFi network; generally this will happen automatically. If the EcoSwitch prompts you to log on again, fill in eco and power, as you did previously.

Maybe the browser cannot establish a connection to the new IP address. Wait a few seconds and try to reload the page. Even after a failed attempt to connect, the browser will probably show the new IP address in the address bar. Use this new IP address to access the EcoSwitch, or use a .local address like (in this example) <http://ecoswitch.local>.



3 Getting started with the EcoSwitch

3.1 Access the EcoSwitch web interface

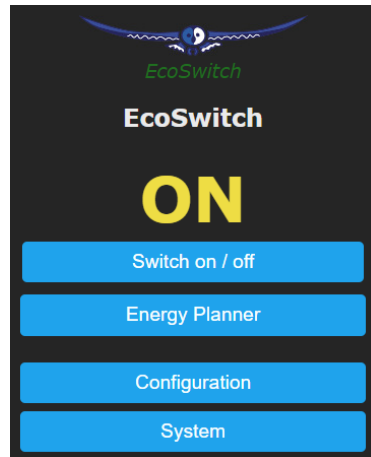
Advice: Settings and tools which are not described in this manual shouldn't be changed or used, because it may cause the system to malfunction.

The EcoSwitch is accessible via the assigned IP address or – if your phone supports mDNS – via the hostname of the switch (e.g. <http://ecoswitch.local>). The IP address may change if your WiFi network assigns another IP address to the switch, for example when the switch has been disconnected from the outlet for some time, and reboots. The hostname however will remain the same, and might be more convenient to use.

When opening the web interface, you will be prompted to log on. The default credentials are:

Username: eco

Password: power



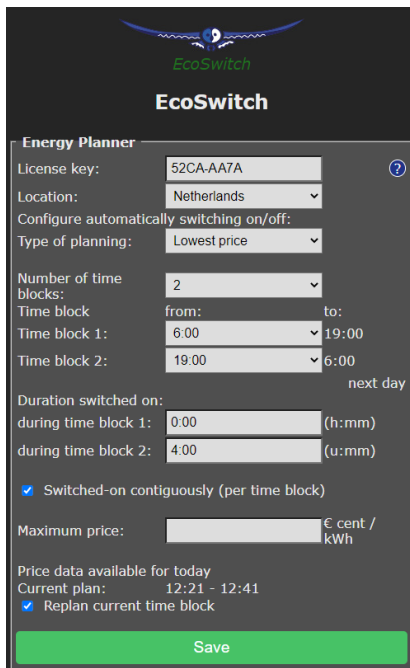
Note: You cannot perform a password reset yourself. If you change the password, don't forget it, or store it somewhere. Without the correct password it is not possible to access the web interface of the EcoSwitch.

3.2 The EcoSwitch Energy Planner

Energy Planning means that the lowest-priced energy will be used during a time block. This time block is specified by start-time and end-time. For example, if the time block is 12 hours and you need energy for 4 hours, the EcoSwitch will be switched on during the cheapest 4 hours within the 12-hour time block.

The EcoSwitch fetches energy price data from our server to determine when consuming power is cheapest. Based on this information the EcoSwitch schedules when to switch on, for example at 12 o'clock.

In the chapter [Using the EcoSwitch Energy Planner](#) you can read how to configure it according to your wishes.



The screenshot shows the EcoSwitch Energy Planner configuration window. At the top, there is the EcoSwitch logo with a bird icon. Below the logo, the title "EcoSwitch" is displayed. The main section is titled "Energy Planner" and contains several configuration options:

- License key: 52CA-AA7A
- Location: Netherlands
- Configure automatically switching on/off: (checkbox)
- Type of planning: Lowest price
- Number of time blocks: 2
- Time block: from: to:
- Time block 1: 6:00 to 19:00
- Time block 2: 19:00 to 6:00 (next day)
- Duration switched on: (checkbox)
- during time block 1: 0:00 (h:mm)
- during time block 2: 4:00 (u:mm)
- Maximum price: (input field) € cent / kWh
- Price data available for today: 12:21 - 12:41
- Current plan: (checkbox) Replan current time block

A green "Save" button is located at the bottom of the configuration window.

3.3 Switch the EcoSwitch on and off manually


You can switch the EcoSwitch on and off manually.

Procedure A (in the web interface):

- Log on to the web interface
- The web interface will show if the switch is turned on or not
- Press "Switch on / off" to manually turn the electrical power on or off.



Procedure B (on the device):

- The led of the switch indicates if it's switched on or off.
- Click once on the  button on the device to switch it on or off.

After manually switching the device on or off, the switch will remain in that state (on or off) until the next automatic switching event performed by the built-in Energy Planner.

3.4 Change the network name of the EcoSwitch after installation

The network name will determine at which address you can access the switch via a browser.

- Go to the web interface
- Press Configuration
- Press Configure WiFi
- Fill in another **Hostname**.
- Press Save

3.5 Change the EcoSwitch device name

In addition to changing the network name (see previous) you can also change the device name. The device name will be shown at the top of the web interface.

- Press Configure
- Press Configure Other
- Adjust the Device name. Unlike the network name, this device name may contain spaces.

- Press Save

3.6 Change the login credentials of the EcoSwitch

It is recommended to change the default password (power) of the web interface. It is not possible to change the username (eco).

- Press Configuration
- Press Configure Other
- Adjust the Web Admin Password. If you want to make the password visible, tick the checkbox.
- Press Save

Note: You cannot perform a password reset yourself. If you change the password, don't forget it, or store it somewhere. Without the correct password it is not possible to access the web interface of the EcoSwitch.

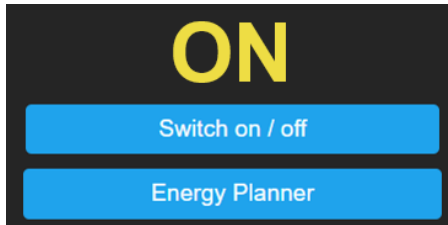
3.7 Install a new version of the firmware

- Go to the web interface of the EcoSwitch
- Press System
- Press Firmware Upgrade
- At "Upgrade by file upload", choose the file containing the new version
- Press Start Upgrade.

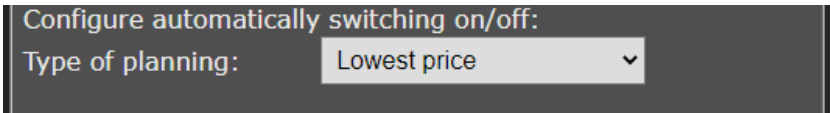
4 Using the EcoSwitch Energy Planner

4.1 Configure Energy planning based on price data

- Go to the web interface of the EcoSwitch
- Click on Energy Planner



- Fill in the license key if this is not done already.
- At Location, fill in the region or country where the EcoSwitch is located.
- Set Type of Planning to Lowest Price.



- Fill in the parameters that suit your needs. How to do this will be explained below.
- Press Save

Number of time blocks: Do you want to switch on the EcoSwitch 1x per 24 hours? Leave the number of time blocks at 1. If you want to switch more often during a day, see the section "Configuring Time blocks".

Number of time blocks:	1	
Time block	from:	to:
Time block 1:	0:00	0:00
		next day

You can set the length of every time block in minutes. The time blocks add up to exactly 24 hours. For every time block, you can set how long the EcoSwitch should be switch on during that time block: this is the so-called "Duration switched on during time block".

Duration switched on: Here you can fill in how long the electrical power must be switched on during a time block. For example, if your car's battery needs a maximum of 4 hours to charge, fill in 4. Then EcoSwitch will (within the time block) switch on power for 4 hours. During the rest of the time (during the time block) the power will be switched off. The power will be switched on during the cheapest hours, based on the available energy price data.

You can fill in the duration in hours or in the format h:mm. For example, if you need one and a half hour of power, fill in 1:30. Fill in 0:15 for a quarter of an hour.

Duration switched on:	
during time block 1:	0:15 (h:mm)

Do not switch off when the device is still in use:

This option only applies to the EcoSwitch Plus

When it is uncertain for how long electrical power should be supplied to a device, this option can prevent that a device is switched off too early. For example, if a device must be switched on for 2 hours, according to the setup, but after 2 hours it is still consuming energy (for example a laundry machine that is still running), the EcoSwitch will not be switched off when you use this option. The EcoSwitch will only switch off when it has detected that connected device has stopped. To detect of this has happened, the EcoSwitch Plus measures the consumed power.



Apart from that, while a device is running, there are sometimes episodes of very low power consumption. During these episodes it should not be switched off. So, the EcoSwitch will consider a device as "not running" if

the power is lower than a certain value (in Watts) during a certain time span (in minutes). You can configure these two values as shown below.

Do not switch off when the device is still in use.
The device is not in use if its power
is less than: W
during: minutes

Automatic determination of "Duration switched on":

This option only applies to the EcoSwitch Plus

When this option is enabled, the EcoSwitch Plus will measure how long a device has been used during a time block. Based on that, the EcoSwitch will (for the same time block) adjust the "Duration switched on" automatically to a new value. This is the expected duration that is necessary in the future. This new duration will be applied when the next planning is made (for the same time block). The duration can only be measured after the time block has been completed and there haven't been any changes made to the settings in the mean time. This option is only available when the option "Do not switch off when the device is still in use" is enabled. This option may be useful when it is unknown beforehand how long a device needs electrical power. With this option, benefitting from cheap hours will improve, because the "automatic determination" of the real duration creates the possibility to plan more accurately.



Switched-on contiguously (per time block): Prices may vary within a time block, and to benefit from this EcoSwitch may turn on and off multiple times during the time block. This is not always desired, and therefore this option is available. Enable the setting by checking the box.

Switched-on contiguously (per time block)

This may be necessary for your electrical device to work properly. For example, a washing machine probably can't handle a switch-off during the washing process. For this kind of electrical appliances it is necessary to plan a contiguous period in which power is supplied. In such cases, the option has to be enabled by checking the box.

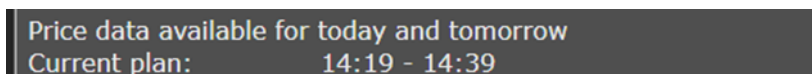
On the other hand, heating a waterbed or the charging a battery may work fine if power is supplied with one or more breaks in between. If power is not necessarily supplied contiguously, you can benefit more lower energy prices. So, if your electrical devices can handle it, it might be good to leave this option disabled.

Maximum price: If you don't want to pay more for electrical energy than a certain amount of money, fill in this amount in the "Maximum price" edit box. The EcoSwitch compares the electrical energy price of a specific hour, exclusive of VAT and other surcharges, to the amount you fill in here. The amount should be in Eurocents per kilo watt hour. For example, if you fill in 25, the EcoSwitch will be switched off if the price is more than 25 eurocents per kWh. The consequence of this setting can be that the switch is not switched on at all during a certain time block.



A dark grey rectangular box containing the text "Maximum price:" on the left, a light grey rectangular input field in the center, and the text "€ cent / kWh" on the right.

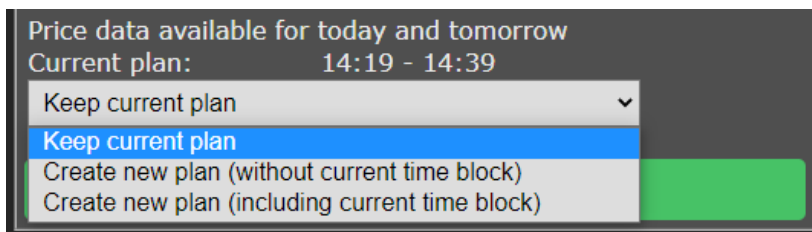
Current plan: The actual current plan is shown here. The plan holds the exact times when the switch will be switch on and off. There can be a series of on- and off times, when you allow the EcoSwitch to switch on and off during a time block multiple times. The planning for the next time block will be made just before these next time block starts, and is not visible yet.



A dark grey rectangular box containing the text "Price data available for today and tomorrow" at the top and "Current plan: 14:19 - 14:39" below it.

Keep current plan / Create new plan:

When you have changed a setting on the Energy Planner page, you may want to replace the current plan by a new plan. This is a dropdown menu with the options:



A dark grey rectangular box containing the text "Price data available for today and tomorrow" at the top and "Current plan: 14:19 - 14:39" below it. Below this is a dropdown menu with four options: "Keep current plan" (selected), "Keep current plan", "Create new plan (without current time block)", and "Create new plan (including current time block)". A green button is visible to the right of the dropdown menu.

Option 1: Keep current plan

Unless you choose otherwise, this option will be used. The current plan (e.g. switch on at 14:19 and off at 14:39) will be kept when you press the Save button.

Result when you press save: the plan for the current time block is kept, but for the next time blocks, the current settings are used to calculate the plans for these next time blocks.

Option 2: Create new plan (without current time block)

You can opt to only create new plans for next time plans that will start in the future. A reason for not replanning the current time block is that the cheapest hours to consume power (e.g. during the night) may have already passed, and optimisation for this time block is no longer possible.

Result when you press save: the plan for the current time block is deleted (emptied), and for the next time blocks, the current settings are used to calculate the plans for these next time blocks.

Option 3: Create new plan (including current time block)

Result when you press save: for the current time block and all following time blocks, the current settings are used to calculate the plans for these time blocks.

4.2 Random variation in the planning

The EcoSwitch planner will add (or subtract) a random variation of a few minutes to the start times and end times of the plan. As a result, electrical power will be consumed a little earlier or later. This is to prevent the switch to behave too predictable, and a number of switches to switch too synchronously.

4.3 Configuring time blocks

On default there is one time block of 24 hours, from 0:00 to 0:00 the next day. In many occasions, one time block is enough. If you're satisfied with that, you can skip configuring time blocks.

Example: charging the battery of an electric car

Assume you want to charge the battery of your electric vehicle, at home. You arrive before 19:00h and leave the next day after 6:00h. The charging therefore should take place between 19:00 and 6:00.

Set the **Number of time blocks** to 2.

1. from 06:00 to 19:00

2. from 19:00 to 06:00 the next day

Number of time blocks:	<input type="text" value="2"/>	▼
Time block	from:	to:
Time block 1:	<input type="text" value="6:00"/>	▼ 19:00
Time block 2:	<input type="text" value="19:00"/>	▼ 6:00

next day

Assume that charging the vehicle takes 4 hours. In the EcoSwitch settings, we call this "Duration switched on".

At "Duration switched on" you can fill in a duration for each time block. In the first time block the car is not present. The duration is 0. For the second time block, fill in 4 hours. Like this:

During time block 1: 0:00

During time block 2: 4:00

Duration switched on:	
during time block 1:	<input type="text" value="0:00"/> (h:mm)
during time block 2:	<input type="text" value="4:00"/> (u:mm)

Example: switching on a device three time per day

Let's assume you divide the 24 hours in three parts of equal length. In each part (of 8 hours) you want to EcoSwitch to be switched on for 30 minutes, when energy prices are lowest.

In that case, configure 3 time blocks (0-8, 8-16, 16-0):

1. from 00:00 to 08:00

2. from 08:00 to 16:00

3. from 16:00 to 00:00 the next day.

At "Duration switched on " fill in 0:30 for each time block. Like this:

During time block 1: 0:30

During time block 2: 0:30

During time block 3: 0:30

Maximum number of six time blocks

The maximum number of time blocks you can use is 6. Currently, it is only possible to specify whole hours to set the start times and end times of time blocks. (Durations however can be specified in minutes.)

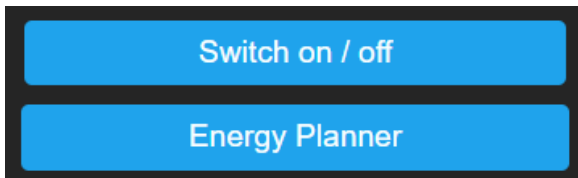
Note:

Make sure that a time block that extends into the next day (for example from 16:00 to 5:00) always starts after 14:00. This is because the energy prices of the next day will be available after 14:00. If a time block starts after 14:00, the EcoSwitch will have the prices of the next day at its disposal, and will be able to create a correct plan or schedule.

4.4 Electrical power price data

The EcoSwitch can assist you to use power when the energy price is lowest. The energy prices vary per day and hour, depending on the weather (solar radiation and wind) and other circumstances. The switch retrieves the expected energy prices from the Ecosoft server, to create a power consumption plan based on these numbers. If this server cannot be reached, or if the price data is unavailable for another reason, the average values will be used, based on historical price data. In that case, an optimal planning is not possible. Therefore it is important that the switch can connect to the Ecosoft server via a WiFi connection.

In the web interface of the EcoSwitch you can see if price data has been retrieved from the Ecosoft server. Press Energy Planner.



In the Energy Planner you will see the price data is available, for example "Price data available for today and tomorrow".

Price data available for today and tomorrow

Current plan: 16:18 - 16:48

- Replan current time block

Save

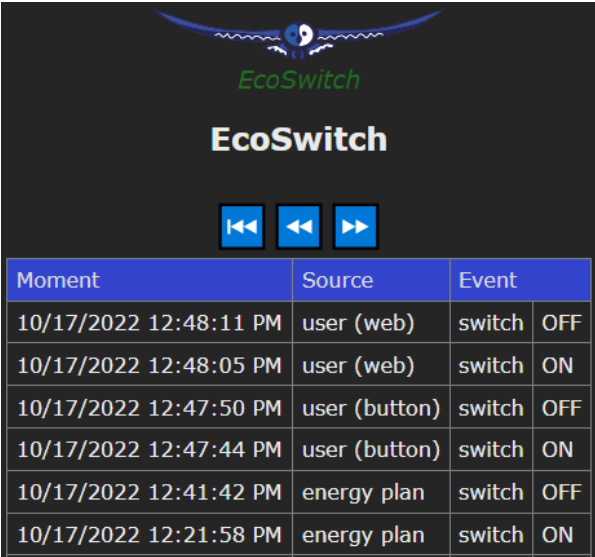
Main Menu

5 Information Pages

5.1 Events

The EcoSwitch registers switch-on and switch-off events, and when the energy plan is adjusted. To view this information, go to the main menu, choose System and then choose Events.

On default, the most recent events will be at the top. Use the arrow buttons to browse to next or previous events.



Moment	Source	Event
10/17/2022 12:48:11 PM	user (web)	switch OFF
10/17/2022 12:48:05 PM	user (web)	switch ON
10/17/2022 12:47:50 PM	user (button)	switch OFF
10/17/2022 12:47:44 PM	user (button)	switch ON
10/17/2022 12:41:42 PM	energy plan	switch OFF
10/17/2022 12:21:58 PM	energy plan	switch ON

The list shows by whom the switch has been operated: by the user (via the web interface or via the button on the device itself) or by the automated Energy Planner.

5.2 Energy Use



This option only applies to the EcoSwitch Plus. The EcoSwitch Plus records how much power has been

consumed. To view this information in detail, choose System from the main menu, and then Energy Use.

Date	2022-11-16
Time	17:28:18
Voltage	233 V
Current	0.000 A
Power	0 W

At the top of the page the current time is displayed, together with the current Voltage, Current and Power. When the switch is turned off, nothing will be measured. The power consumption in kWh is displayed as well.

Energy Today	0.195 kWh
Energy Yesterday	0.155 kWh
Energy Total	4.944 kWh

Note: these measurements are not suitable for billing purposes or any comparable ends.

Moment	Voltage [V]	Current [A]	Power [W]
16/11/2022 17:19:10	232	0.000	0.0
16/11/2022 17:12:13	231	0.000	0.0
16/11/2022 16:52:46	231	0.030	0.0
16/11/2022 16:52:36	231	0.033	8.0
16/11/2022 16:52:31	231	0.323	22.0

In the second part of the screen a table is displayed, showing the history of the collected energy data. To save space, only significant changes are recorded and displayed. This means that there has not been detected any significant change in current or power from a certain recorded moment to the next recorded moment. To create this table, measurements are made every 5 seconds.

Use the arrow buttons to browse to next or previous moments.

6 Problem Solving

The EcoSwitch is not accessible in the network

Check if WiFi is still working and its signal is strong enough at the site where the EcoSwitch is located. To reset the WiFi settings of the EcoSwitch, please follow the installation procedure (press the ON/OFF-button 6x times) as described in chapter 2.

The EcoSwitch doesn't respond to the ON/OFF-button anymore

Unplug the EcoSwitch from the socket, and plug it in again. If the device still doesn't respond, it is probably defective.

The LED of the EcoSwitch is blinking. What does that mean?

A blinking LED means that the EcoSwitch is attempting to connect to the WiFi network.

It may also indicate that the EcoSwitch has become a WiFi Access Point. If that is the case you can connect directly to the switch to set up the network configuration. (This is used during installation. After installation, the switch is accessible via your WiFi network.)

7 Ecosoft Energy app

7.1 Introduction

The EcoSwitch can be operated from any smart phone with a web browser, like iPhones and Android phones.

The free Ecosoft Energy App for Android is optional. With this app you can:

- View the current energy prices
- Choose the best moment to consume energy
- Configure and operate all EcoSwitches in your network



You can download the Ecosoft Energy App from <https://play.google.com/store/apps/details?id=nl.vidicode.ecosoftenergieplanner>

7.2 Ecosoft Energy App – The menu

The menu options of the app are:

Hourly Prices

History of the hourly tariffs

Free Energy Planner

You can use the planner to find the best moment to consume electrical power, even if you don't have an EcoSwitch.

My EcoSwitches

A handy tool to configure your EcoSwitches. (Note: There is another way to access an EcoSwitch, namely using a web browser.)

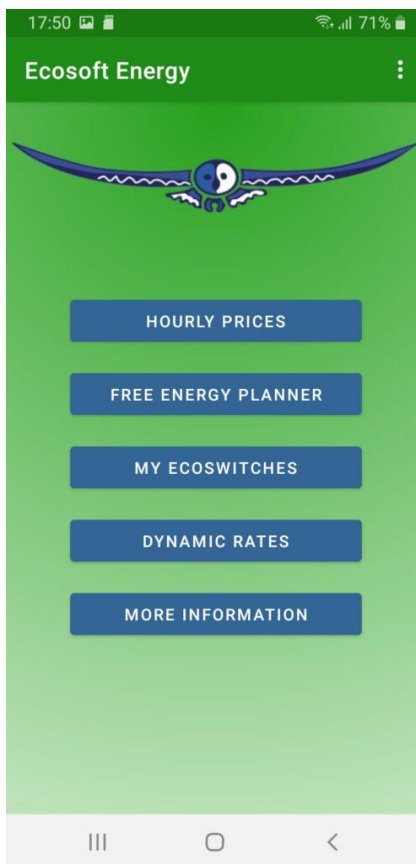
Dynamic rates

About the dynamic energy contract, which is necessary to benefit from price fluctuations.

More information

Links to

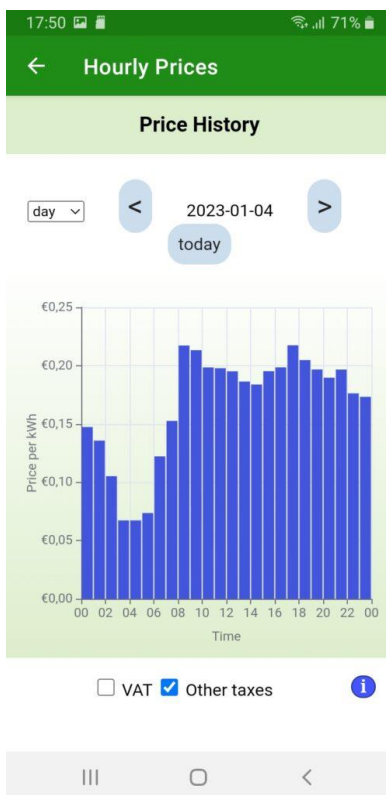
<https://www.ecosoftenergy.com>



7.3 Ecosoft Energy App – Hourly Prices

View the current energy prices here.

Energy prices are fluctuating constantly. Every day the Ecosoft Energy application receives new prices. You can check when they are highest or lowest. Find these tariffs at “Hourly Prices”.



7.4 Ecosoft Energy App – Free Energy Planner

The Free Energy Planner is also available at <https://www.ecosoftenergy.com/energieplanner/>

If you don't have an EcoSwitch, this Free Energy Planner is an alternative to determine when the energy price is lowest. The result is valid for

today. (An EcoSwitch can automatically calculate this daily, and switch on and off your electrical device automatically.)

The settings of the Free Energy Planner are:

- For how long do you need to use power?
- When must power usage be finished?
- With what time steps can you delay start your device?

The time-step option is used this way: If an electrical device supports a delayed start, let's say a delay of 0:15 and multiples of 0:15, set the time-step to 0:15. Is a delay of multiples of 1 hour supported? Set the time-step to 1 hour.

Free Energy Planner 17:50

Energy Planner 17:50

For how long use power? 1 hour

Finish time: tomorrow 8 o'clock

Delay time step: 1 hour

Use power now: €0,21 / kWh

Use power in 9 hours: €0,07 / kWh

From now In 9 hours

Price per kWh

Time

VAT Other taxes

After you completed the setup, the result will show.

The dark green or even red bar shows the costs when you don't plan at all, but start to consume energy right away. The light green bar shows the costs when you follow the advice of the Free Energy Planner. It will also show the percentage of the price you save.

With this tool you can reduce costs and CO₂ emission right away.

7.5 Ecosoft Energy App – My EcoSwitches

You can access your EcoSwitches via a web browser, without the app, and even in that case you will have access to the full functionality of the EcoSwitch. But with our app, you can create a handy list to manage all your EcoSwitches.



Add an EcoSwitch to the app

On the My EcoSwitches page you will find a list of all EcoSwitches that your app has access to.

Install the EcoSwitch as described in the chapter "Install". Check if the EcoSwitch is accessible via the IP address and if the username and password are correct.

Now you can add the EcoSwitch to the list of the app. Press the + symbol and fill in the following information of the switch:

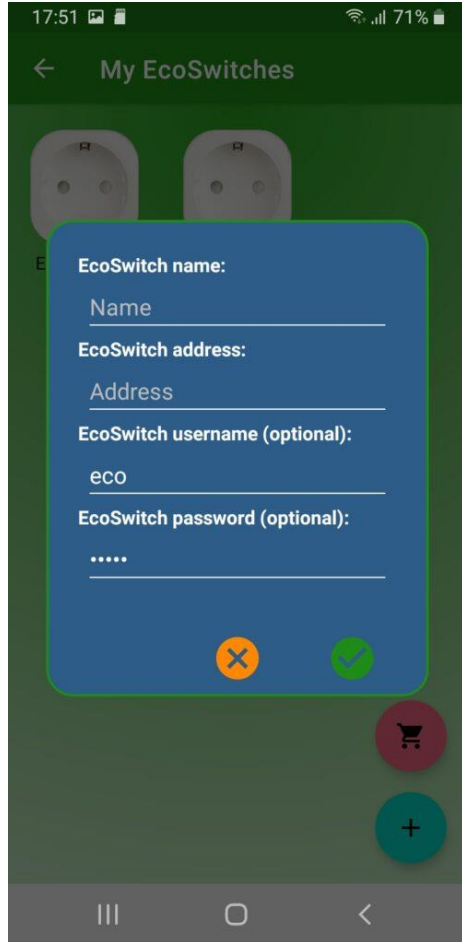
- EcoSwitch name
- EcoSwitch IP address
- EcoSwitch username
- EcoSwitch password

If you fill in the username and password here, the app will log on automatically to the EcoSwitch you click (or press) on.

When the list is completed, you can manage all EcoSwitches at your location.

Accessing an EcoSwitch via the app

Press on the icon of the EcoSwitch to go to the web interface of the switch. In this web interface, you can adjust the planning of the switch and change other settings of the switch. If you don't have the Ecosoft Energy app, you can access the switch via a web browser.



8 Other information

8.1 Built-in power limiter

The EcoSwitch Plus can carry a maximum of 10 Ampères (2300 Watts).

Since version 1.9.1 the EcoSwitch Plus has a built-in power limiter at 2760 Watts. At 230 Volts this equals to 12 Ampères. When the consumed power is above this limit for a few seconds, the EcoSwitch Plus will switch off. The EcoSwitch will remain switched off for 60 seconds. Then the switch will try again. It will try again five times at most.

8.2 Switching currents > 10 A

It is possible to switch currents greater than 10A, but only indirectly, because 10 A is the maximum for the EcoSwitch. It can be done using an external relay, an electrical contactor.

In this case the EcoSwitch (10A) operates the contactor, and the contactor switches the circuit with the higher current (e.g. 16A). With a suitable contactor, switching three-phase electrical circuits is possible as well.

Installation work – possibly by an electrician – would then be required to install the contactor.

8.3 Access to open-source code

The EcoSwitch uses open source programs. If you want access to the source code, you may send a request to Ecosoft.