SWOpti

Solar Watts Optimisation

Information Collection

06/04/2026

This short guide has been developed to help you complete the information collection sheet as best as possible.

CUSTOMER INFO All fields are required, except the 2nd and 3rd address lines.
In "SWOpti presenter code", put the code of the person who introduced SWOpti to you. The person may have already entered their code here. If you obtained this sheet yourself, enter "2301004". Use the “Message” section for any information you want to bring to SWOpti’s attention.

TECHNICAL INFO Indicate your internet service provider, and how you plan to connect your SWOpti Box to your local network. Some people turn off WiFi at night; It is therefore preferable to use a wired connection (Ethernet or powerline) for your SWOpti Box.

If you have batteries, tick "Yes" and indicate the total capacity of your batteries in watts (not kW).

SWOpti controls your appliances with two types of modules (“plug/socket” modules and “micromodules”). Micromodules can be installed in your consumer unit if the appliance in question is alone on its circuit. Otherwise the micromodule will be installed next to the appliance. In relation to the location of the modules, indicate the distance in meters to the left and right sides of the modules furthest from the SWOpti Box.

Indicate the total installed power of all your renewable energy sources, in watts.

In "Energy Sources", list all the energy sources you have (photovoltaic panels, wind turbines, solar batteries, etc.). The first line is already filled in. This is your electricity supplier. For each source, indicate where we can put a current clamp around the wire to measure that source. In principle, there is a cable where your overproduction passes to your supplier and in this same cable passes, in the other direction, the current that you buy from your supplier. This cable is necessarily installed in your main consumer unit. You therefore put "1" in the "Location where this source can be measured " column. If you have a PV field and the cable from this panel field does not feed your main consumer unit, the cable where this source can be measured is in another location, called a "garage consumer unit" (although it may not be in a garage!). Indicate "2" for the measurement location. Please note: if you have two PV fields which supply your main consumer unit, and each field has its own cable, you will need to indicate two "PV" lines, each with "1" as the location (the main consumer unit). We will therefore need two current clamps to measure the PV. But, if your installer "combined" these two cables into one, you will put a single "PV" line with "1" as the measurement location. If you have yet another garage consumer unit, declare the location as "3" and so on.

Indicate your case concerning an electric vehicle charger. For a wall box, indicate its brand and model.

ELECTRICITY SUPPLIER CONTRACT INFO Indicate the type of electricity contract, the type of current you have (single-phase or three-phase) and the maximum number of watts that you can draw from your supplier.

If you select "off-peak/peak", fill in the start time and end time of each time slot for the number of time slots you have (in some regions there are two (even three) off-peak time slots in a 24-hour period). Leave this off-peak/peak section empty if you have a French EDF Tempo contract.

APPLIANCES TO BE CONTROLLED/MONITORED Here's how to complete the fields in this section. Start with the appliance with the highest priority and end with the appliance with the lowest priority (this priority order can be changed later on the SWOpti control screen):

Type Here put one of the following codes. Contact SWOpti if you have any questions…

DRY - Dryer
DWS - Dishwasher
ELV – Electric vehicle charger
FANN – Heating fan
FANX – Cooling fan
FRG – Refrigerator
FRZ – Freezer
HWT – Water heater
IHW – Instant water heater ("to be monitored", not " controlled")
MNR - Mini night reserve
OVN – Oven
RAD – Radiator (or heat pump, contact SWOpti)
RTS – Solar router (contact SWOpti)
WMC – Washing machine

Name Give a friendlier name to your appliance (Ground floor water heater, David's bedroom radiator, etc.)

Watts The number of watts that the appliance consumes when it is operating, in principle, indicated on its electrical plate. This figure is important because it influences the type of module needed to control the appliance.

To be controlled or to be monitored? SWOpti can control an appliance (turn it on and off) and give the number of watts it is consuming in real time, or only monitor it (display the watts it is consuming). To be controlled, the appliance must be able to turn itself back on after an outage. When power returns, you don't need to run around the house and turn on the electric radiators and water heater again; these appliances normally restart on their own. But if you have a tumble dryer which, once the power returns after an outage, does not restart on its own (a human being must absolutely press the "Start" button), SWOpti cannot control this type of appliance. But it can monitor it. That said, if your appliance has a "dry contact", SWOpti can then control it. Tick the box in the “Dry contact?” column in this case. Note that there are appliances that SWOpti can possibly control, but we deliberately choose to monitor them only: the fridge, freezer or oven... (you do not want SWOpti to turn off the oven with a chicken in it simply because there is not enough solar power available!).

Radiator Grouping For each electric radiator, SWOpti needs to know the current temperature around the radiator. We use battery-free temperature/humidity sensors for this. But if you have two radiators in the drawing room, you probably want to control the two radiators as if they were one, and therefore with a single set of temperature settings. For these two radiators, it is not necessary to buy two temperature sensors; just one is enough. Group them together by putting "A" in this column on both lines of the radiators concerned. If you have three radiators in the kitchen, put the letter "B" on the three lines concerned.

Connection If for this appliance you insert a plug into an outlet, tick "Plug/Socket". Otherwise, tick "Wired" (a micromodule will be required for this appliance).

If wired, alone on the circuit? If you ticked "wired", the micromodule for this appliance can be installed in the electrical cabinet next to the circuit breaker that powers this appliance, provided that the appliance is alone on its circuit. Tick “Yes” here if the appliance is alone on its circuit. Otherwise, tick "No".

Location If you ticked "Wired" AND "Yes" for "Alone on the circuit", indicate the number of the consumer unit where the circuit breaker for the appliance is located ("1" for the main electrical panel...). If you ticked "No" for "Alone on circuit", or if you ticked "Plug/Socket", put "L" here for "Local". If the appliance is an electric heater and if it has a "pilot wire", SWOpti must use this pilot wire. Then put “P” here for “Pilot wire”.

Dry contact? Tick the box if a dry contact is used to control the appliance.

If three-phase contract, single-phase or three-phase appliance? This question only concerns three-phase installations. In a three-phase installation, you have three-phase appliances AND single-phase appliances. If you have a single-phase appliance in a three-phase installation, tick "single phase" here. If it is a three-phase appliance, tick "three-phase". If your installation is single-phase, do not tick anything.

If single-phase appliance in three-phase contract, appliance is on which phase? This question also only concerns three-phase installations. If your installation is three-phase and you have “single-phase” ticked for the appliance, this means that the appliance is powered by only one of the three phases: A, B or C. Tick the phase that powers this single-phase appliance. If you indicated a three-phase appliance, or if your installation is single-phase, do not tick anything.

Send the form to SWOpti by email (contact@swopti.fr), telephone +33 (0)9.82.77.60.14
or by post:
SWOpti, La Touche – Beaulandais, 190 impasse de la Guiardière 61140 JUVIGNY VAL D'ANDAINE, FRANCE

SWOpti

CUSTOMER INFO

Last name or Company	
First name	
Email address	
Telephone	
Address Line 1	
Address Line 2	
Address Line 3	
Postcode	
City	
Country	
SWOpti presenter code	

MESSAGE

TECHNICAL INFO

Internet service provider (Sky...)	
SWOpti Box connection	☐ Wifi ☐ Ethernet

Do you have batteries?	☐ Yes ☐ No
If yes, total capacity of the batteries, in watts	

Distance between the SWOpti Box and the appliance (module) farthest away, in metres	
Left side	
Right side	

Installed capacity, in watts	

Energy Sources	Location where this source can be measured
Consump / Inject	1

☐ I don't have an electric vehicle

☐ I plug it into a traditional socket

☐ I have a reinforced socket

☐ I have a "wall box" type charger

If wall box, brand and model	

ELECTRICITY SUPPLIER CONTRACT INFO

Type of contract	☐ Basic ☐ Off-peak/peak hours ☐ French EDF Tempo ☐ Other

Type of current	☐ Single-phase ☐ Three-phase
Contract Maximum	_____ watts (9000...)

Off-peak hours / Peak hours	Start	End
Off-peak time slot 1	h	h
Off-peak time slot 2	h	h
Off-peak time slot 3	h	h

If you have a set of off-peak hours that applies during a certain period of the year and another set for the rest of the year, or even sets of off-peak hours that are different per day of the week, provide the details here:

APPLIANCES TO BE CONTROLLED / MONITORED

N°	Type	Name	Watts	To be controlled or to be monitored	Rad. Grouping	Connection	If wired, alone on the circuit?	Location	Dry contact?	If three-phase contract, single-phase or three-phase appliance?	If single-phase appliance in three-phase contract, appliance is on which phase?
1				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
2				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
3				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
4				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
5				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
6				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
7				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
8				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
9				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
10				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
11				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
12				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
13				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
14				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
15				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
16				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
17				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C

18				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
19				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
20				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
21				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
22				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
23				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
24				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
25				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
26				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
27				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
28				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
29				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
30				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
31				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
32				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
33				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
34				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
35				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C
36				☐ to be controlled ☐ to be monitored		☐ Plug/Socket ☐ Wired	☐ Yes ☐ No		☐	☐ Single-phase ☐ Three-phase	☐ A ☐ B ☐ C

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