

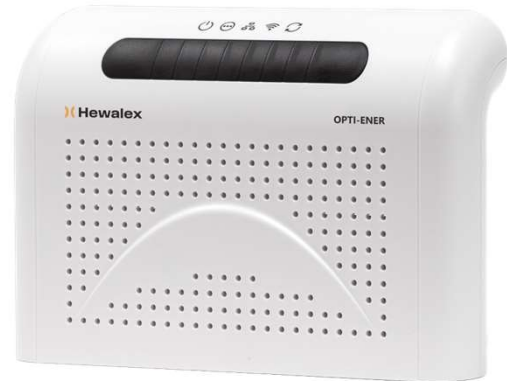
OPTI-ENER



Energy Management System

Opti-Ener is an intelligent system dedicated to indoor electrical installations regardless of the purpose of the building. The controller is responsible for controlling and managing electricity consumption. The measurements carried out give full control over the amount of energy given to or taken from the electric utility, as well as that produced by the power source (such as photovoltaic, or wind installation).

Opti-Ener makes it possible to reduce excess energy given off to the grid by automating the switching on of electrical appliances according to the user's needs (switching on consumers on the basis of excess power according to the assigned switching priority, time programs or manually). The entire system is operated through the ekontrol platform, thanks to which we have access to the installation remotely.



Increase the current use of energy generated by the power source



Control of energy consumption drawn from the grid



Automation and optimization of operation of electrical equipment in the building



Ability to control the quality of energy supplied from the grid



Access to statistics



The device complies with the requirement of EMS (Energy Management system).



MODBUS RTU - the most popular communication protocol in automation systems

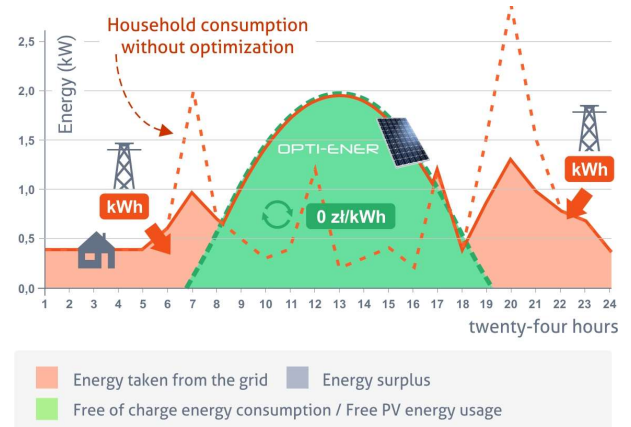


Compatibility with the SG Ready standard (smart-grid Ready)



Polish producer

Hewalex is a company with more than 30 years of experience in the production and distribution of renewable energy systems. It is not only a leader on the Polish market but also a foreign TOP10 producer of flat plate collectors in Europe.



DEMO

The demo version is available at this address:
<https://www.ekontrol.pl/pl/demo/>



Additional module OPTI-TEMP

The controller, which is a complement to the Opti-Ener system, allows you to step-less control the power of heating elements such as an electric heater. That kind of solution makes it possible to limit the amount of energy given off to the grid, which significantly increases the efficiency of your RES installation.



Ability to set 3 levels of required hot water temperature.

ECO → np. 45 °C

Comfort
→ np. 55 °C

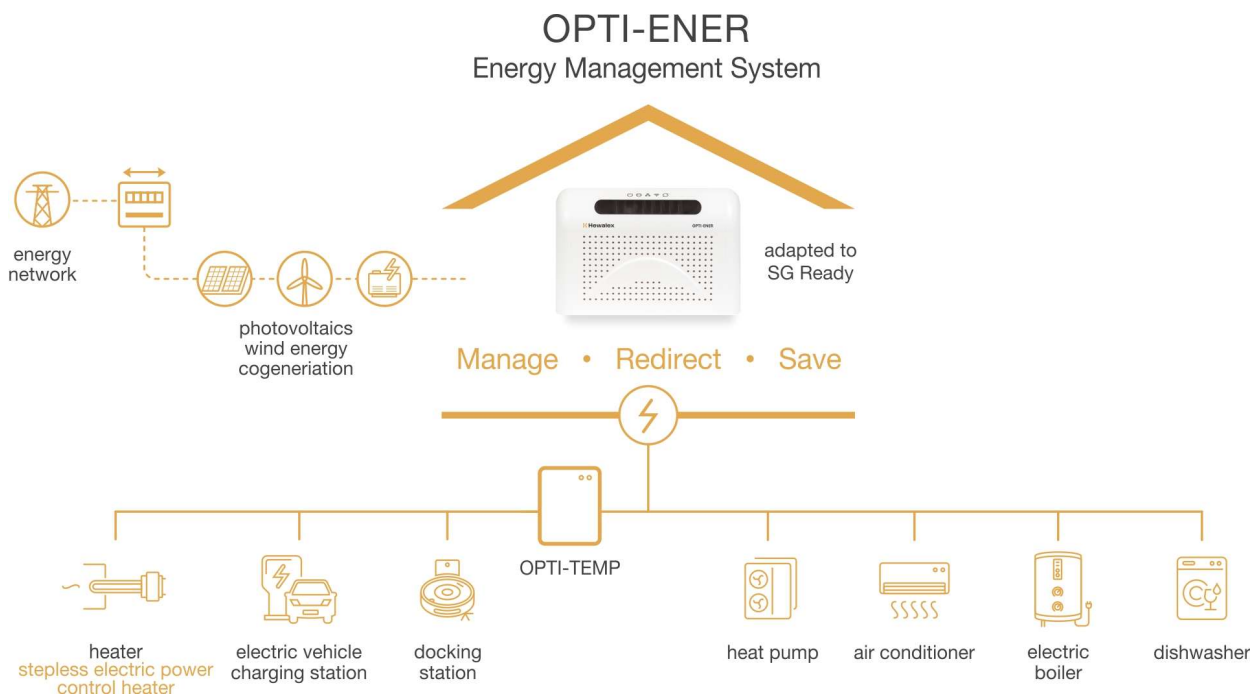
MAX
→ np. 65 °C

Dimensions (width/high/depth) [mm].	210x140x42
Weight [kg]	1
Power supply	230 V AC, 50 Hz
Working temperature	-20° to 60° C
Working humidity	From 5% to 85% (without condensation and/or icing)
Power consumption	<3W
Protection class	IP 40



Functionalities:

Wi-Fi communication	YES
Ethernet socket (8P8C)	YES
MODBUS RTU	YES
Compliance with SG Ready	YES
Measurement of the power produced; consumed; given off; consumed in real time	YES
Calculation of CO2 Emission Reductions	YES
Controlling the power supply to electrical appliances automatically based on surplus energy	YES
Controlling the power supply of electrical appliances based on a time program	YES
Remote data export to .xls, .pdf, .jpg files	YES
Measurement tolerance	+/- 1,5%
Informing the user about alarm conditions in the form of push/email notifications	YES
Language	PL/EN/DE



Guarantee

OPTI-ENER system components come with a two-year warranty while their service life is estimated at more than 10 years.



If you have any questions, please contact us at: +0048 32 214 17 10 or email ekontrol@hewalex.pl. Also visit Our store <http://sklep.hewalex.pl/>.