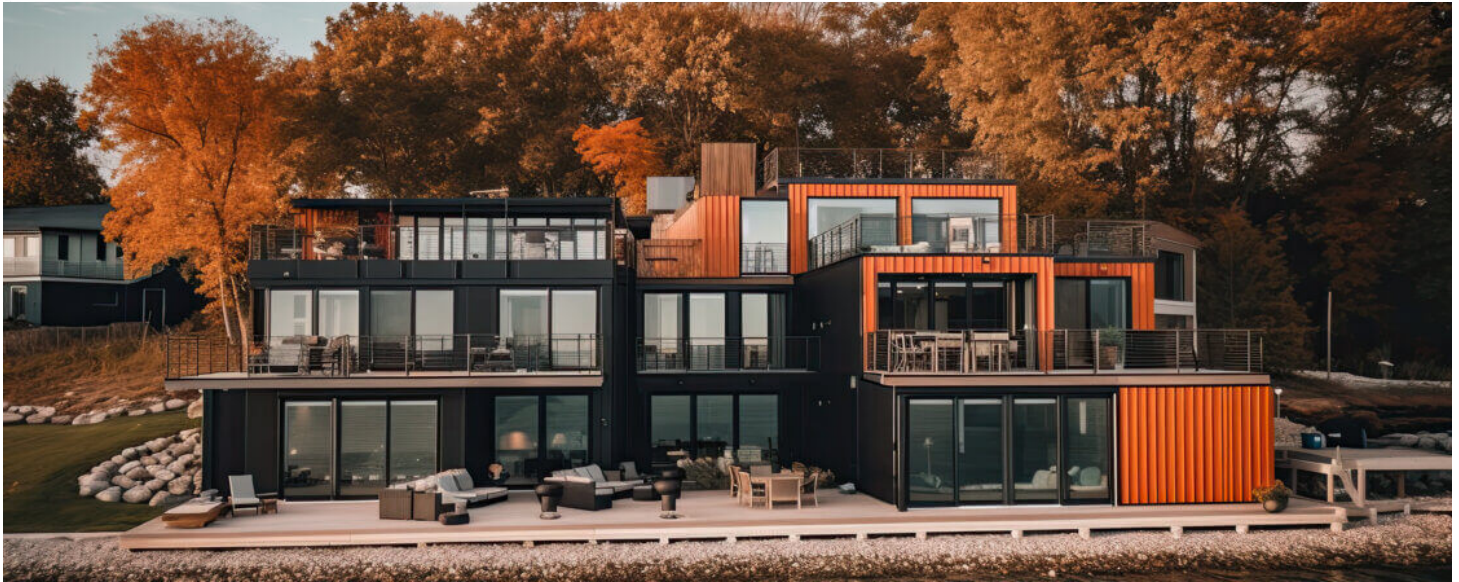


**Voor investeerders Ecologisch duurzaam wooncentrum zonnepanelen kleuterschool en scholen.
Duurzaam investeren - Investeren in duurzame beleggingen biedt investeerders de
mogelijkheid een positieve bijdrage te leveren aan het welzijn van mens en milieu.**

**Structureel Staal | Modulaire gebouwen | Modulaire containers | Modulaire constructie –
geprefabriceerde gebouwen | Lichtgewicht stalen gebouwen | Mobiele kamersystemen |
Lichtgewicht staalconstructie en geprefabriceerde magazijnen | Licht stalen huis |
Geprefabriceerde magazijnen | Lichtgewicht stalen constructie | Licht stalen school | Light
Steel Kliniek/ziekenhuis.**

Container houses

Luxury living in a container? At first glance it may sound laughable, but it is possible. Rising housing prices motivate people to look for cheaper alternatives. And just one such alternative that is gaining more and more popularity are houses made of shipping containers. They can be not only cheap, but also luxurious, spacious and ecological.



What is a container house

A container house is a type of building created by converting large shipping containers into residential or commercial spaces. Container homes offer sustainability, affordability and design flexibility. They can be quickly built and adapted for different architectural styles. However, it must be taken into account that even houses made of containers are subject to building regulations.

Container houses and legislation

The rules of the Building Act (<https://www.zakonyprolidi.cz/cs/2006-183>) apply in particular to container houses . The first thing you will need is a building notice or permit (<https://dostupnyadvokat.cz/blog/zadost-stavba>). The exception in this case is buildings smaller than 25 square meters and lower than 5 meters in height and three meters in depth located on a building plot where there is already a house intended for living or recreation. However, it is not possible in areas considered to be a monument or in areas of archaeological importance.

In other cases, a building notice or building permit must be obtained. The notification will be sufficient in the case of a container house intended for housing or recreation. In this case, the maximum size is limited to 150 m², the height to two above-ground floors and an attic, and the depth of the underground floor to three meters. In other cases, you will need to get a building permit (a building permit will also be needed if you fail to get your neighbors' approval for the construction).

What you need to provide for a building permit and notification:

Land information,

data on the planned construction, its purpose and scope,

estimated date of construction start and completion,

zoning decision, which you must arrange in advance in the place where the land is located

binding opinions of the authorities concerned (such as the Ministry of the Environment (<https://www.mzp.cz/>) _____ . --
National Monument Institute (<https://www.npu.cz/cs/>), _____ .

binding opinions of the owners of the transport and technical infrastructure (here we are talking about the connection of the building to the electrical wiring, water supply, etc.),

project documentation (drawings, technical solutions, etc.),

draft plan of construction control conditions,

a statement from the construction manager (in case you will rebuild the containers yourself),

The main difference between the construction announcement and the building permit is that the building notification is faster. _____ on settlement
easier _____ and Unfortunately it is not available but _____ in all cases, _____ and especially in the situation when you your
neighbors and other affected persons do not approve the construction in writing.

Energy intensity

When building a container house, you must also take into account its energy requirements. All new buildings must
have a building energy efficiency certificate _____ .

(https://cs.wikipedia.org/wiki/Pr%C5%AFkaz_energetick%C3%A9_n%C3%A1ro%C4%8Dnosti_budovy) or PENB _____ . . .

This indicates how much energy the house consumes for its operation and thus determines its energy demand and the associated energy requirements
burden on the environment. You must pay particular attention to the thermal properties of the house, heating, water heating and cooling. New
built houses must not have an energy requirement higher than class B (they must therefore have almost zero consumption
energy).

Tip: If your container house has an energy reference area (= external floor plan
area) up to 50 m², then you do not need an energy label.

However, there is no need to worry about energy consumption with a container house. It can be easily converted to
low energy or even passive. The overall result depends primarily on the design of the facade. Other factors that
but also play a role are: orientation to the cardinal points, use of renewable energy (e.g. in the form of solar panels) and
simple building shape (which is guaranteed with containers)

Advantages and disadvantages of houses from shipping containers

Advantages

Sustainability: Container homes transform new or discarded shipping containers into something new, which is environmentally friendly
a form of upcycling that reduces the need for new building materials.

Affordability: Compared to traditional houses, container houses tend to be more affordable (especially when used
discarded containers).

Fast construction: Container houses can be built relatively quickly because the basic structure is already done.

Design Flexibility: With modifications, container homes can be customized to suit your style and
i need

Modularity: Shipping containers are modular building blocks that make it easy to expand or customize
living spaces. You can build your house in parts.

Portability: Container homes can be designed to be transported to different locations.

Strength and Durability: Shipping containers are designed to withstand harsh shipping conditions, making them very durable.

We will help you solve the problems you are having

Whether you need help with buying a plot of land on which to place a container house, with registration in the real estate register or with anything else, we are here for you. We will provide you with a complete contractual and legal service related to the purchase and sale of real estate. We can do it within 48 hours, flawlessly and professionally.

Where container houses are sold

Some companies offer ready-made container houses, including wiring and insulation. However, if you want maximum freedom in the design and the lowest possible price, building a container house yourself will be worthwhile.

You can purchase shipping containers from a variety of sources, including:

Container Suppliers: Many companies specialize in the sale of new and used shipping containers.

Ports: Shipping containers are usually available at major ports. In the Czech Republic, you can find ports where containers are handled, in Mýlník or Ústí nad Labem, or you can go abroad for a container.

Auctions: Shipping containers can sometimes be found at auctions. Check local auction listings or websites for upcoming events.

Shipping companies: Shipping companies themselves can also sell containers. Usually, however, these will only be old containers that are no longer suitable for transport.

What to look for when buying

Consider the following factors when purchasing a shipping container:

- 1) **Condition:** Shipping containers come in a variety of conditions, including new, used, and already converted into a container home.
- 2) **Size:** Containers come in a variety of sizes, with six meter and twelve meter containers being the most common.



Residential Solar Power Service

Get Latest Price

Ecopower Energy

Service Description

With vast experience serving the residential segment, our industry leading team design, engineer and integrate every system to be reliable and perform to the highest efficiency possible. As a home owner, electricity costs can make up a large portion of your monthly expenses. We design your solar system to generate clean energy for the entire 25+ year's life cycle.

Understand Your Savings One of the clear benefits of solar systems is the ability to hedge utility prices. By investing in a solar system you can fix your electricity rate and protect against unpredictable increases in electricity costs.

We Design For You Ecopower Energy is a one stop solar service provider that takes care of every step during your switch to clean energy. We are technology neutral and we keep to the industry best practices so we can ensure that the best material are selected to suit your condition and obtain your best financial and energy return.

Feeding into the grid If the state solar policy permits, power generated from your rooftop can be fed into the grid and payment received based on a Net Feed-in-Tariff metering

Features Solar Modules

- IEC certified modules with 25 year warranty
- Reliability under extreme weather conditions, certified to withstand snow loads of up to 5400 Pa
- Greater energy generated due to positive tolerance

Inverter

- IP-65, environmental protection rating, can withstand extreme weather conditions
- High yield output with maximum efficiency of over 97%

Wide input voltage range

Compact Desiasy installation Call **Now**

In-built anti-islanding feature

Module Mounting Structure

- GI coated corrosion free structures designed to withstand 150 kmph wind speed

Components

- AC / DC Distribution boxes
- Cable and other accessories
- Earthing Kits

Assumption

- The solar system offered is a fixed plate system.
 - The inverter will be structure mounted indoor unit.
 - The power generation from the solar system is considered under true south facing with a tilt angle of about 25 Deg and no major shading effects.
 - The system is considered to feed power at 1Phase 230VAC or 3Phase 415V / 50 Hz utility.
 - Approximate Area required 80 Sq.feet for PV Structure per kW InstallationBenefits
 - Hedge against increasing grid prices which have increased by 40% in past 5 years
 - Savings in electricity bill for 25 long years
 - Expandable – Multiple grid tie inverters may be networked together for increased net metering capacity or future system growth
 - Maintenance free system
 - Accelerated depreciation benefit - Your rooftop investment is eligible for accelerated depreciation of 80% in first year of commissioning ie 30% times 80% of project cost is tax-savings in first year 25 years
 - warranty for the modules and 5 years on inverter and balance of system
 -
-



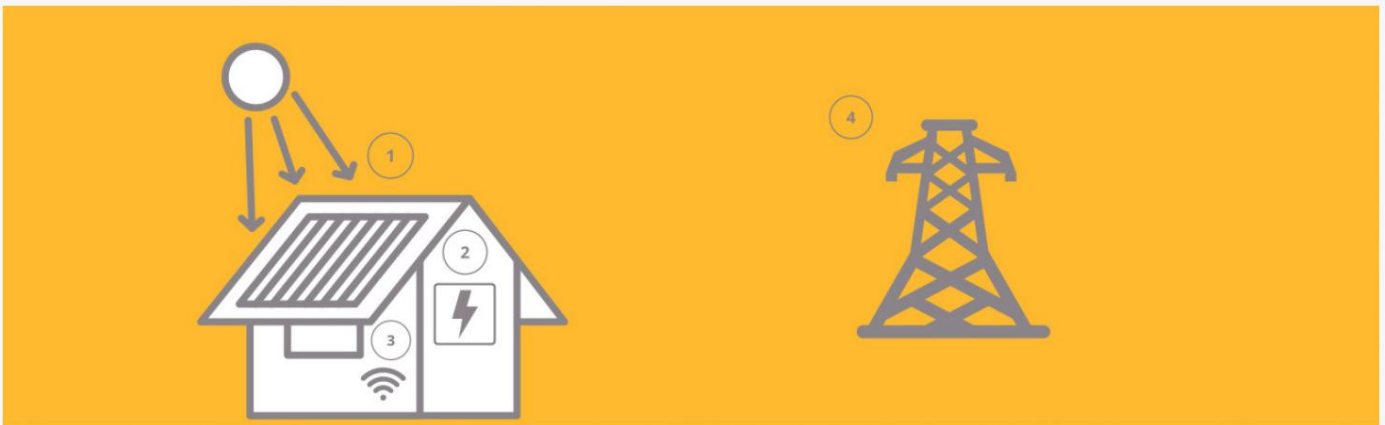
SOLAR PANEL INSTALLATION

Home solar is the single best way to mitigate your family's carbon impact, hedge against blackouts, and achieve energy independence for your household. Our group will create a custom sun powered proposition custom-made to your home with an enhanced sun oriented exhibit affordable enough for you.

HOW HOME SOLAR PANELS WORK

We're all about giving you all the info you need to help you decide if you'd like to go solar. That's why, free of charge, we'll draw up and send you a personalized preliminary plan based on your house. We do it all remotely and provide you with an accurate estimate of both the energy production you can accomplish and the cost of installation.

THE 4 STEP REVOLUTION



1

Solar panels convert visible light into DC electricity.

2

Inverters convert DC electricity into AC electricity to get used by your house's appliances.

3

A monitoring system keeps track of how much energy your panels are producing.

4

A utility meter will keep track of how much electricity you use from the grid & send back.



HOME BENEFIT

Did you know home solar can reduce your family's energy costs by 40-60%?

If you are not planning to move anytime near, solar is an obvious addition to your rooftop! Plenty of families see a return on their initial investment in solar in 8-10 years.

Not only that, but a solar array can provide a massive boost to your home's value! [Berkeley Lab](#) found a solar system increases the value of a home by €3.00/watt. [The Appraisal Institute](#) found that solar homes increase €20 in value for every €1.00 in annual energy savings.