

# 2 Bedroom Container House Solar: Structure, Power, and Comfort Compared

Explore the pros and cons of 2 bedroom container house solar systems. Learn about structure, power supply, and comfort to determine if it's suitable for long-term living.



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Nowadays, more and more people are paying attention to container houses. It not only has a **low cost**, but also can be quickly set up, being environmentally friendly and energy-saving. Especially the 2 bedroom container house solar systems are very popular among many people. Many people ask: Is this kind of house suitable for long-term living? Today, let's take a look at it from three aspects: structure, power supply and comfort to see if it's worth living in.

## 1. Is the structure stable? Can it withstand wind and rain?

A 2 bedroom container house solar is usually composed of two 40-foot containers joined together, and there are also custom modular structures. Although it is called a "container", it is actually much stronger than ordinary prefabricated houses.

### **Skeleton structure:**

The container itself is designed for sea transportation and is pressure-resistant and corrosion-resistant. After modification, the foundation is stable and the frame is strong. It can withstand winds of up to level 8 and bear a pressure of 3 tons without any problem.

### **Thermal insulation:**

The walls are generally filled with rock wool boards or polyurethane materials. With double-pane insulating glass windows, it won't be stuffy in summer and won't be ventilated in winter.

### **Waterproof performance:**

The roof will be equipped with drainage slopes and waterproof coatings, and it is basically not afraid of heavy rain. As long as the construction is in compliance with regulations, living there for 10 years will not be a problem.

If you are worried that it may not be reliable to live there for a long time, you can rest assured. Nowadays, many camps and outdoor construction sites use this structure, which is highly reliable.

## 2. Is solar power generation sufficient? What about the evening?

Solar power supply is a major highlight of this type of house. Most of them are distributed in places where the municipal power supply cannot reach or where rewiring is needed. Under normal circumstances, 2 bedroom container house solar is usually equipped with a 3 to 5kW [photovoltaic system](#), along with a set of 10 to 15kWh **lithium batteries**, which can meet the daily electricity demand.

When the sun is shining brightly during the day, solar energy can directly supply power, and the excess electricity is stored in the battery.

At night, relying on battery discharge, lighting, TV, refrigerator and fan are all completely fine.

### **Emergency plan:**

Some can also be equipped with diesel generators as an option, so there is no need to worry about power outages even on continuous overcast days.

As long as the system configuration is reasonable, there is no pressure for a family of three to use

electricity normally. The key point is that it doesn't require power from the grid at all, making it particularly suitable for remote areas, camps, and houses on mountains.

### **3. Is it comfortable to live in? Can I take a bath and cook?**

Comfort is also a point that everyone is very concerned about. A 2-bedroom solar-powered container house can not only be used for living but also for cooking, bathing and working. The layout is generally: two bedrooms + a small living room + a kitchen + a bathroom, with everything available.

#### **Bedroom:**

It's big enough for two adults and one child to sleep in. Making a bed and placing cabinets are no problem.

#### **Kitchen:**

Equipped with an induction cooker, cabinets, and sink, suitable for cooking. Range hoods can also be customized.

#### **Bathrooms:**

Equipped with toilets, washbasins, water heaters, and some even come with shower rooms.

#### **Other facilities:**

The house is equipped with sockets, LED lights, electric fans, air conditioners, etc. Living there is not much different from an ordinary apartment.

Besides, the house is quite good. It is equipped with a solar water heating system, an exhaust system, and an air purification device. Even if you live there for a long time, you won't feel stuffy or depressed.

### **Summary: Who is suitable for long-term residence?**

If you are in these scenarios, it is very suitable for long-term residence:

- I want to build a cheap and environmentally friendly house by myself.
- Living in mountains, forest areas, by the sea or places not covered by power grids;
- Planning to carry out ecological camp and homestay projects;
- Working abroad for aid construction, working on construction sites, and living off the grid.

2 bedroom container house solar, reliable structure, independent power supply, and comfortable living. As long as it is planned reasonably, it can be transformed into a truly cheap and comfortable "mobile home".

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