

Put the sun's energy to work for you

With a PV system on your own roof, you can make yourself independent from electricity prices while reducing your environmental footprint at the same time. But which components do you actually need to use the power of the sun to take control of your own energy supply?

1 PV modules

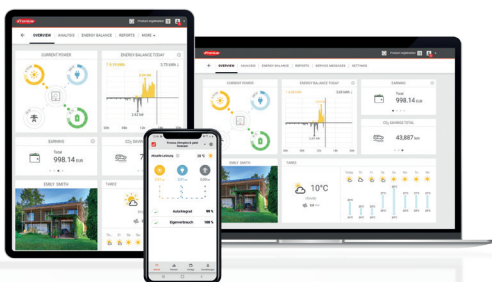
PV modules are combined with an inverter to form the basis of your personal energy transition. The modules are usually mounted on the roof, where they convert the sun's rays into electrical energy.

2 Inverter

The inverter is the heart and brain of every PV system and is what makes solar energy usable in the first place. It converts the direct current generated by the PV modules into the alternating current required by all household appliances and by the power grid. Smart products like the **Fronius GEN24** also let you manage energy efficiently and integrate additional components for even higher self-consumption.

3 Smart Meter

A **Smart Meter** provides the basis for **optimizing** your PV system. It measures all energy flows that come from the grid or flow into the grid.



With an online monitoring tool like **Fronius Solar.web**, you can **monitor**, **assess** and **analyze** the energy yields and consumption of your entire PV system.

[Monitoring platform](#)



energy to use



The flexible products and solutions from Fronius are not only optimally coordinated with each other but can also be adapted to perfectly match your individual needs.

The sun never sends a bill

Since your PV system will often produce more than you can consume, it pays to look for other ways to use this surplus. Whether for electricity, heating, cooling or e-mobility Fronius has the right solution for you.*



4 Harness the power of the sun at all times

Hybrid inverters like **Fronius GEN24 Plus** let you connect battery storage systems, giving you even greater independence. This combination allows you to use your self-produced electricity even when the sun is not shining. And thanks to a variety of **backup power features**, the entire household can continue to be supplied with energy in the event of a power failure.

5 Charge electric cars cost-effectively



Charging your electric car with surplus solar power will significantly boost your energy self-consumption. You can start charging your e-car more economically than with electricity from the grid from the very first day by using the power of the sun. Special PV-optimized wallboxes like **Fronius Wattpilot** give you enhanced intelligence and flexibility when charging your electric car.

6 Hot water with solar power

Consumption regulators like **Fronius Ohmpilot** use surplus solar power to **generate hot water and heating**. From April to October, the majority of household hot water requirements can be covered with solar power. This maximizes your self-consumption and reduces your carbon emissions while also protecting your heating system.

* Note: This brochure provides an overview of our product portfolio for residential use. Some products may not be available in your country. Please refer to our website www.fronius.com or consult with your trusted Fronius installer for more information.



Innovation, quality and service at the highest level

Efficient use of energy and resources, product durability and reliability, and high European quality and safety standards – these hallmarks of this still family-managed company haven't changed since Fronius was founded in 1945.

Solar pioneers from the industry's inception

- Family-run company in its third generation
- Experience in the solar business **since 1992**
- Active as a pioneer in the solar sector, even before it was popular
- Several generations of inverters already on the market and still in operation

European value creation

- Fronius products are subject to **strict quality guidelines**: the entire value chain is considered
- High standards for product quality: intensive endurance and quality tests according to EU standards
- Focus on the supply chain: **75% of all components** come from Europe
- Compliance with **European data protection standards**

Quality that exceeds standards

- Products designed for **long service life**
- Intensive product development and **extensive load tests** before leaving the factory
- **Repairable** inverter design for efficient service and **quick maintenance**
- Up to 10 years free inverter warranty with registration



Fronius

the reliable partner for your own energy transition

With more than 30 years of experience, we are developing high-quality and innovative products to make our vision of 24 hours of sun - a world with 100% renewable energy supply a reality.

Higher PV yield

- Active inverter cooling of power electronics for **longer service life** and **higher PV yields**
- High flexibility in string design and configuration options with every PV module technology
- **Integrated shade management** to minimize yield losses
- **Highest system efficiency** with strong storage partners

Environmentally conscious business practices

- Product life cycle analyses for a **transparent carbon footprint**
- Fossil-free production, use of an ice energy storage system for heating and cooling, and a 2.2 MWp PV system
- **Fronius Repair Center** and on-site repair option for inverters

Find all the
details here:



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Bring 24 hours of sun into your life



Make the most of the sun's power - we'll show you how.