Driving the World's Smart Energy Future
With the continuous rise in energy prices, homeowners are increasingly turning to solar power to lower their electricity bills and decrease reliance on fossil fuels. Now, more than ever, the need for sustainable energy solutions is paramount. GoodWe, as an innovation-driven company with over a decade of expertise in the energy sector, introduces GoodWe EcoSmart Home. The EcoSmart Home solutions empower homeowners to energize their residences with intelligent technology, paving the way for a greener future.

- Lower Energy Cost
- Reliable Energy Supply
- Ensured Safety and Performance
- Complete and Flexible Solutions
GoodWe EcoSmart Home offers a suite of solar and energy storage solutions for households. With high-quality inverters, batteries, and Building Integrated Photovoltaics (BIPV) options, it optimizes self-consumption, ensures reliable power supply, and enables intelligent power management. The monitoring system provides full control, and an electric vehicle (EV) charger allows solar-powered vehicle charging. With these diverse options, homeowners can customize their EcoSmart Home for sustainable energy generation, storage, and usage.

During the daytime, when the PV system generates more electricity than is needed, the excess energy is sent to the battery for later use.

As the sun sets and the energy production from the PV system comes to an end, the stored energy from the system is used to power the home.
Efficient and proven inverters

With a steadfast commitment to excellence, GoodWe offers a diverse selection of inverters that excel in converting and managing energy with remarkable efficiency. With an extensive range of inverters, GoodWe empowers households to harness renewable energy effectively while maximizing energy yield and minimizing losses.

Optimized self-consumption with external load integration

With EcoSmart Home solutions, external loads such as heat pumps, EV chargers, and other significant loads can be seamlessly integrated and activated, allowing for a more efficient energy usage strategy.

Maximized power output and self-use

By intelligently directing surplus energy to specific appliances or loads, GoodWe’s three-phase hybrid inverters with 100% unbalanced output enable efficient consumption of self-generated electricity within the household. This means that excess power is not sold back to the grid, but instead utilized internally, maximizing the self-consumption of the generated electricity.

HCA EV Charger
- All branded EVs compatibility
- Fast charging at Max output for quick power boosts
- IP66 for indoor or outdoor use

EV Charging for green and cost-efficient transportation

Without unbalanced output

With 100% unbalanced output
RELIABLE ENERGY SUPPLY

Reliable energy at all times

The system can automatically switch to back-up mode in less than 0.01s (UPS), and you don’t even notice the change. So, whether it’s a storm, a blackout, or an unexpected interruption, UPS-level switching is there to keep your lights on, appliances running, and devices powered, giving you peace of mind and uninterrupted comfort.

Scalable batteries for varied energy demands

With scalable battery solutions, homeowners have the flexibility to design an energy storage system that perfectly fits their needs. This flexibility ensures that energy demands can be met effectively, providing a robust and reliable power supply even during periods of high demand or grid outages.

![Scalable batteries](image)

Smart control for improved energy autonomy

The system offers different operation modes to meet customers’ varied requirements. Among these modes, the backup mode stands out, effortlessly transitioning your energy source from the grid to stored energy when power outages occur.

![Smart control](image)
ENSURED SAFETY AND PERFORMANCE

01 All-round electrical safety at home

- Lightning Protection
  - SPD alarm + Local & online monitoring
- AFCI 3.0
  - AI algorithm + Accurate detection
- RSD Solution
  - Module-level rapid shutdown

02 Reliable solar generation for smart buildings

Sunshine tiles are a remarkable addition to the world of solar energy solutions. Not only do they seamlessly integrate solar harvesting into the design of your home or building, but they also offer rapid installation, stunning aesthetics, exceptional durability, and a strong emphasis on safety.

- Ultra Safe
  - Class A fire rating
  - Hurricane wind-resistance
  - Structural waterproofing
- Rapid Installation
- Attractive Appearance
- Durable

03 Advanced battery technologies for peace of mind

- BMS for smart management and maintenance
- Reliable LiFePO4 (LFP) battery cells
- Overheating and overcharging protection

GoodWe EcoSmart Home 09/10
COMPLETE AND FLEXIBLE SOLUTIONS

Streamlined solutions for hassle-free living

- Plug & play communication
- Fanless cooling for quiet operation
- Remote monitoring and upgrade

*Fanless cooling is not available for ET 15-30 kW.

Your home energy is in the palm of your hand

SEMS (Smart Energy Management System) monitoring platform is a powerful tool that accompanies our energy storage solution, providing comprehensive monitoring and control capabilities. With its user-friendly interface, advanced features, and data security measures, SEMS empowers you to make the most of your energy storage system and optimize your energy management.

- Visualize your energy generation and consumption
- Maintenance support
- Access anywhere and cost-free

One System, One Provider

Our focus on every stage of the process ensures maximum efficiency and longevity, providing you with a hassle-free and reliable energy solution. By embracing the "one system, one provider" approach, customers can have confidence in the quality, performance, and support of their renewable energy system. GoodWe's expertise and commitment to delivering comprehensive solutions make the transition to clean energy more accessible and convenient for homeowners.
TYPICAL COMBINATIONS TO MEET DIFFERENT NEEDS

2,500kWh/year
ES G2 3.6 kW  LXU 5.4 kWh

4,500kWh/year
EH 5 kW  LXF 12.8 kWh
HCA EV charger

10,000kWh/year
ET 10 kW  LXF 16.0 kWh
HCA EV charger

15,000kWh/year
ET 15 kW  LXF 32.0 kWh
HCA EV charger

25,000kWh/year
ET 25 kW  LXF 64.0 kWh

Note: The examples are based on average electricity consumption in Germany. The battery system Lynx Home F PLUS+ is applied for the high-voltage use cases.

Go Green, Go Smart with GoodWe’s EcoSmart Home

GoodWe’s EcoSmart Home solutions provide an accessible and practical means for households to embrace a greener lifestyle. By reducing reliance on traditional energy sources and adopting sustainable practices, we can make a positive difference for the environment while enjoying the benefits of energy savings and greater energy independence.