

Driving the World's Smart Energy Future



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EcoSmart Home

Power Your Home with
Smart and Complete Energy Solution

Sustainable Energy Solutions for Every Home



Amidst the persistent surge in energy costs, homeowners are increasingly embracing solar power as a means to reduce electricity expenses and diminish dependency on fossil fuels. Now, more than ever, the need for sustainable energy solutions is paramount. GoodWe, an innovation-driven company with over a decade of expertise in the energy sector, presents GoodWe EcoSmart Home. The EcoSmart Home solutions empower homeowners with intelligent technology, paving the way for a greener future.



**Lowered Energy
Costs**



**Reliable Energy
at All Times**






**Ensured Safety and
Performance**



**Streamlined Solar
Monitoring for Smart Home**

Discovering GoodWe EcoSmart Home

GoodWe EcoSmart Home presents a holistic solution for residential solar energy and storage needs. This comprehensive smart energy ecosystem seamlessly integrates PV, storage, backup, EV charging, and smart energy management, providing enhanced customer value and versatility for household energy requirements.

-  **Customized Solutions**
-  **Unified Service**
-  **One Platform Fits All**



Lowered Energy Costs

Efficient & Proven Inverters for Higher Yields

GoodWe offers a diverse selection of high-quality inverters renowned for their outstanding energy performance and remarkable efficiency across various applications.



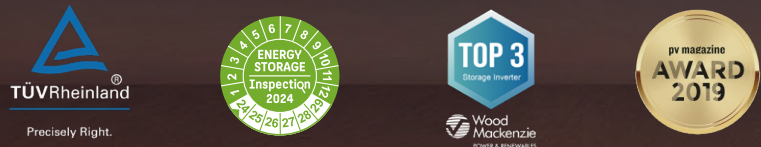
ES G2 | 3.6-6 kW
Single Phase Hybrid Inverter (LV)



ET G2 | 6-15 kW
Three Phase Hybrid Inverter (HV)



ET | 15-30 kW
Three Phase Hybrid Inverter (HV)



Economical Operation Logics for Various Scenarios

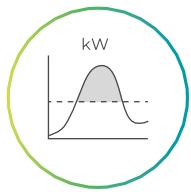
With three distinct working modes tailored to diverse energy consumption patterns, homeowners can maximize energy savings while enjoying continuous power supply.



Self-Consumption
Prioritizing the utilization of solar energy generated on-site, this mode optimizes energy usage within the premises, reducing dependency on grid electricity and consequently lowering energy costs.



Time-of-Use (ToU)
By intelligently adjusting energy consumption based on peak and off-peak electricity rates, this mode ensures efficient utilization of electricity during periods of lower tariffs, resulting in significant savings on energy bills.



Peak Shaving
By strategically managing energy consumption during peak demand periods, this mode helps to mitigate spikes in electricity usage, reducing overall grid dependency and minimizing electricity expenses.



Backup Power
Backup mode seamlessly switches to stored energy reserves, providing continuous electricity to essential appliances and devices.

| Lowered Energy Costs

Optimized Self-Consumption with External Load Integration

Charging your electric vehicle (EV) with solar energy presents a cost-efficient and sustainable solution. 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.



HCA EV Charger

- Single Phase - **7 kW**
- Three Phase - **11/22 kW**

-
- Compatible with all EV brands
 - Smart and flexible charging
 - Wall-mounted or pole-mounted design
 - View and manage PV and EV via one convenient app



Reliable Energy at All Times

UPS Level Switch Time

The system seamlessly transitions to backup mode in under 10 milliseconds (UPS), ensuring powerful backup. Whether it's a storm, blackout, or unforeseen disruption, the UPS-level switching maintains your lights, appliances, and devices operational, providing uninterrupted comfort and peace of mind.

Unmatched Flexibility for Varied Energy Demands

Enjoy unmatched flexibility with our system, tailored to accommodate your unique energy needs. Whether it's adding inverters or stacking batteries, our solution adapts seamlessly to your needs.

Paralleled inverters for changing energy needs

The parallel connection feature of inverters allows for easy system expansion, providing scalability and flexibility to adjust to changing energy needs. By seamlessly integrating additional inverters, homeowners can optimize energy production and distribution effectively.



Expandable battery solutions for diverse energy requirements

To enhance grid independence and maximize savings, homeowners have the option to stack multiple batteries or battery modules. This flexibility allows you to tailor an energy storage system precisely to match your household's unique requirements.



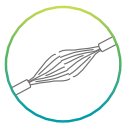
| Ensured Safety and Performance

All-round Electrical Safety



SPD Solution – Surge Protection Device (SPD) Against Lightning Strikes

- Offers swift defense against lightning strikes
- Ensures continuous operation in adverse weather



AFCI 3.0 Solution – Arc Fault Circuit Interrupter (AFCI) for PV System

- Detects faults in just 50ms for quick response to risks
- Ensures accurate fault detection to avoid false alarms and ensure safety
- Cuts power within 500ms of detecting a fault, reducing hazards



RSD 2.0 Solution – Module-level Rapid Shutdown (RSD) for Solar Safety

- Quick system shutdown reduces voltage and current levels swiftly
- Ensures safety of personnel and property during emergencies
- Compliance with regulatory standards for enhanced safety measures



Advanced Battery Technologies for Peace of Mind

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



Streamlined Solar Monitoring for Smart Home

The GoodWe SEMS+ App is a cloud-based platform developed and maintained by GoodWe, enabling monitoring of solar energy production, house power consumption, battery charge status, and device conditions. It efficiently tracks energy production and consumption in real time, providing comprehensive energy visualization.

- Intuitive and user-friendly interface for seamless navigation and ease of use
- Frequent monitoring of system performance for accurate insights
- Comprehensive coverage of various application scenarios
- Generates detailed reports for in-depth analysis
- Accessible from anywhere at no additional cost



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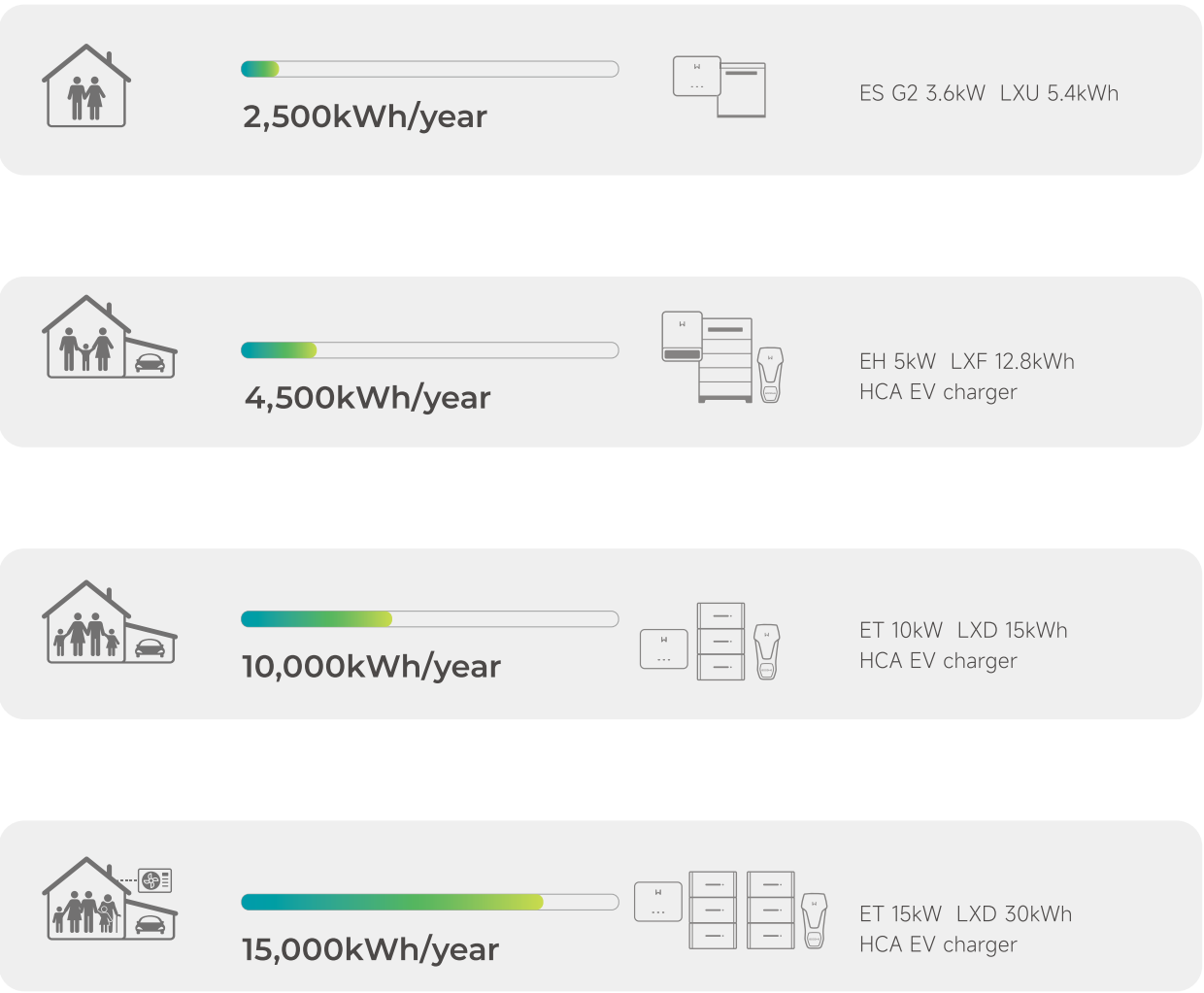
SEMS+ APP | Q



Tailored Energy Solutions for Your Home



Explore our extensive selection of top-tier products, making GoodWe your go-to solution for enhancing energy efficiency, reliability, and cost-effectiveness. Tailored to accommodate a spectrum of energy consumption needs, our proposed combinations are designed to meet the demands of diverse households. Find the ideal solution for your home and embark on the journey towards sustainable energy today.



Note: The examples are based on average electricity consumption in Germany.

| Residential Product Offering

Energy Storage Inverter



ES G2 3.6-6kW
Single phase | 2 MPPTs | LV



EH Plus+ 3.6-6kW
Single phase | 2 MPPTs | HV



ET Plus+ 5-10kW
Three phase | 2 MPPTs | HV



ET G2 6-15kW
Three phase | 2/3 MPPTs | HV



ET 15-30kW
Three phase | 2/3 MPPTs | HV

Retrofit Battery Inverter



SBP G2 3.6-6kW



BH 3-6kW

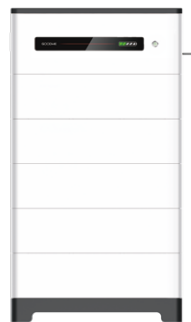


BT 5-10kW

Energy Storage System



Lynx U 5.4kWh
Low voltage battery
Reliable LFP battery cell
Up to 6 batteries in parallel (32.4kWh)



Lynx F Plus+ 6.6-16.4kWh per stack
High voltage battery
Flexible capacity and stackable modules
Up to 8 towers in parallel (131 kWh)



Lynx D 5-20kWh per stack
High voltage battery
Modular and stackable design
Supports mixing new and old battery packs
Parallel connection supported



ESA 5kW/5.4-10.8kWh
Inverter + battery | Single phase

Residential Product Offering

String Inverter



XS G3 0.7-3kW
Single phase | 1 MPPT



DNS G3 3-6kW
Single phase | 2 MPPTs



MS G3 5-10kW
Single phase | 3 MPPTs



SDT G2 Plus+ 4-20kW
Three phase | 2 MPPTs



SDT G3 8-40kW
Three phase | 2/3/4 MPPTs

MLPE



MIS 1.6-2kW
Microinverter | Single phase



RSD Receiver
Rapid shutdown device
for 1/2 modules



HCA
Single Phase - 7 kW
Three Phase - 11/22 kW

EV Charger

Smart Dongle



4G KIT-EC / 4G KIT-AU



Ezlink3000



Wi-Fi/LAN Kit-20

Data Logger & Communication Box



Ezlogger3000R (Only for MIS series)



SEC1000

Smart Meter



GM1000/1000D/3000



GMK110/110D



HK1000/3000

GoodWe at a Glance

About US

GoodWe is a world-leading PV inverter manufacturer and smart energy solution provider established in 2010. The company has around 5,000 employees worldwide and has a track record of over 71 GW of installations in over 100 countries and regions. GoodWe offers an extensive range of products and solutions tailored for residential, commercial and industrial, and utility-scale PV systems, delivering reliable and high-performance solutions across its entire portfolio. In 2021, GoodWe was recognized as one of the top three hybrid inverter suppliers worldwide by Wood Mackenzie.

100+

Countries Reached

~5000

Employees Worldwide

71 GW+

Accumulative Installation

~8%

Revenue Invested in R&D

Global Presence with Local Service



3 Production Facilities

China: Suzhou, Guangde
Vietnam: Haiphong

4 R&D Centers

Suzhou, Shenzhen, Wuhan,
Nanjing (China)

Quality Assurance at Every Stage

Emphasizing quality as our priority, GoodWe upholds the highest standards in every aspect of our operations. From customer satisfaction to product performance, our commitment to excellence drives innovation and growth in the renewable energy sector.

