



[Home](#) » [Sigenergy](#) » **Sigenergy GPT-4o 5-in-1 Home Energy Solution User Guide** 

Contents [[hide](#)]

- [1 Sigenergy GPT-4o 5-in-1 Home Energy Solution](#)
- [2 Product Specifications](#)
- [3 Product Usage Instructions](#)
- [4 PRODUCT INFORMATION](#)
- [5 Key Features](#)
- [6 DC Charger Options](#)
- [7 Technical Datasheet](#)
- [8 Component](#)
- [9 Specifications](#)
- [10 See It in Action](#)
- [11 Contact Us](#)
- [12 FAQs](#)
- [13 Documents / Resources](#)
 - [13.1 References](#)



SIGENERGY

Sigenergy GPT-4o 5-in-1 Home Energy Solution



Product Specifications

- **Product Name:** Sigenergy
- **Features:** Empower your business, Platinum Installer, Gold Installer, Silver Installer, Certified Installer
- **Components:** SigenStor 5-in-1 Battery PCS, GPT-4o, mySigen App
- **Protection Features:** AFCI Protection, DC Isolation Protection, PV Input Protection, Grid Failure Protection, DC Bus Protection Seamless Power Regulation Algorithm
- **Fast Operation:** Instantaneous power interruption, seamless transition to backup power
- **Installation:** Stackable design, floating connectors for easy setup
- **Fast Deployment:** Quick setup and commissioning in minutes
- **Updates:** Over-The-Air (OTA) updates for continuous improvement
- **AI Mode:** Maximizes savings through intelligent operation

Product Usage Instructions

- **Installation:**
 - Stack the Sigenergy components according to the provided guidelines.
 - Connect the floating connectors securely for stable operation.
- **Operation:**
 - Use the mySigen App to monitor and control the Sigenergy system.

- Ensure all protection features are active before connecting to power sources.
- **Maintenance:**
 1. Regularly check for software updates and perform OTA updates as necessary.
 2. Inspect the system for any loose connections and tighten if needed.

PRODUCT INFORMATION

5-in-1 Sigenergy Home Energy System

The ultimate all-in-one solution for energy independence and sustainability, designed to revolutionize the way you manage and consume energy at home.

- <https://landing.soolutions.com/hubfs/Product%20info/Sigenergy/SigenStor%205%20in%201%20System.pdf>

Introducing the 5-in-1 Sigenergy System

The Sigenergy Home Energy System is a groundbreaking solution for sustainable living, combining advanced solar power generation, modular energy storage, EV charging, and intelligent energy management into a single, streamlined unit. This single-phase system comes with a 5 kWh battery and offers the flexibility to upgrade to 8 kWh units for increased capacity. By choosing Sigenergy, you're investing in a smart, efficient, and eco-friendly energy future. Perfectly tailored for modern homeowners, the Sigenergy System ensures cost efficiency, scalability, and total control over your energy consumption. Whether you're seeking energy independence, reduced bills, or a way to lower your carbon footprint, this system delivers it all.

Key Features

Key Features of the Sigenergy Home Energy System

- **Comprehensive Integration**
 - The Sigenergy System brings together solar inverters, scalable battery storage, EV charging, a battery power conversion system (PCS), and an intelligent energy management system (EMS) into one cohesive package. This integration simplifies installation and enhances reliability, providing a seamless energy solution for your home. By consolidating multiple components into a single unit,

the system reduces hardware costs and installation complexity while maximizing operational efficiency.

- **Space and Cost Efficiency**

- Designed for modern living, the compact and modular Sigenergy System minimizes its physical footprint without compromising performance. Its streamlined installation process saves time and reduces labor costs, making it a budget-friendly choice for households seeking energy independence.
- <https://landing.soolutions.com/hubfs/Product%20info/Sigenergy/SigenStor%20NL.r>

- **AI-Driven Energy Management**

- The mySigen app is the brain behind your energy system. With real-time monitoring, predictive analytics, and smart scheduling, the app allows you to optimize energy usage while reducing waste. Whether you're tracking energy production or scheduling EV charging, the app puts full control in your hands. By leveraging artificial intelligence, the system ensures adaptive energy management tailored to your consumption patterns, delivering maximum efficiency and savings.
- <https://landing.soolutions.com/hubfs/Product%20info/Sigenergy/Sigen%20AI%2c%274%20integrated%20energy%20helper%20-%2020230921.mp4>

- **Advanced Safety Features**

- The Sigenergy System is built with safety as a top priority. It includes fire extinguishers, thermal management systems, decompression valves, and fault isolation mechanisms. These features provide comprehensive protection, ensuring your home remains safe and secure while benefiting from advanced energy technology. With rigorous safety protocols, the Sigenergy System is designed for long-term reliability and operational stability under varying conditions.

- **Maximized Sustainability**

- Take a step toward a greener future with the Sigenergy System. By optimizing solar energy usage and integrating seamlessly with hybrid or off-grid setups, this solution helps reduce your carbon footprint. It empowers homeowners to move away from fossil fuels and achieve greater energy independence. Whether you're adding solar panels or scaling up your battery storage, the Sigenergy System adapts to your sustainability goals.

Optional Add-ons

Customize your Sigenergy System with the following add-ons to meet your specific needs:

- **Energy Gateway HomeMax SP (€899,00):** An advanced module offering unparalleled control over energy distribution. Its seamless integration with the Sigenergy System ensures intelligent energy routing, prioritizing critical loads during outages. It supports hybrid and grid-tied setups, making it an essential addition for energy independence and efficiency.
- **Power Sensor Single Phase Meter (€79,00):** Provides precise real-time energy flow monitoring, enabling users to make data-driven decisions to optimize consumption. With a 100 ms refresh rate and high accuracy, it integrates seamlessly with smart home systems, enhancing your energy management capabilities.
- **Power Sensor Single Phase CT Clamps (€99,00):** Ensure precise current measurement and compatibility with the Sigenergy System. These clamps are essential for accurate load tracking and energy optimization, simplifying installation while improving system performance.
- **4G Communication Module (€129,00):** Enables reliable remote monitoring and control through cellular connectivity. With support for 2G, 3G, and 4G networks, this module offers robust, plug-and-play communication capabilities, ensuring seamless data transfer between devices.

Each add-on has been engineered to provide additional functionality and versatility, ensuring that the Sigenergy System meets the unique needs of every homeowner.

DC Charger Options

The Sigenergy System offers two optional DC charging modules to enhance EV charging capabilities:

- **12 kW DC Charging Module:** Equipped with a 5.0m CCS2 cable, this module provides efficient and reliable charging for standard EVs. Its key features include a compact design for easy installation, real-time power monitoring through the mySigen app, and bi-directional capabilities for Vehicle-to-Home (V2H) and Vehicle-to-Grid (V2G) operations. It is perfect for users seeking fast and cost-effective charging solutions.

- **25 kW DC Charging Module:** This high-capacity charging module is ideal for advanced EVs and commercial properties. With a 5.0m CCS2 cable, it supports ultra-fast charging for larger batteries, reducing downtime significantly. Advanced features include enhanced cooling for sustained performance, high power efficiency (above 95%), and compatibility with a wide range of electric vehicles. This charger meets the demands of energy-conscious users who prioritize speed and reliability. Both modules integrate seamlessly into the Sigenenergy System and are equipped with advanced safety features, including overvoltage protection and thermal management. Additionally, their bi-directional capabilities allow for energy storage and smart grid interactions, maximizing the flexibility and utility of your EV and home energy system.

Technical Datasheet

Explore the detailed technical specifications of the Sigenenergy Home Energy System below:

Component

- PV Inverter
- Battery Storage
- EV DC Charger
- Energy Management System
- Safety Features

Specifications

- **Efficiency:** 98.3%,
- **Capacity:** 3.0 – 6.0 kW, Single-Phase
- **Capacity:** 5 kWh (scalable to 8 kWh), LFP Chemistry, 6,000+ cycles 12 KW and 25 kW options, Bi-directional Charging, CCS Cable,
- **High Efficiency:** >95% AI-driven optimization, Real-time monitoring via mySigen app
Fire extinguishers, Thermal management, Decompression valves

See It in Action

Explore the Sigenenergy System in real-world applications through our videos:

- <https://landing.soolutions.com/hubfs/Product%20info/Signenergy/Sigenergy%20cases.mpx>
- <https://landing.soolutions.com/hubfs/Product%20info/Signenergy/SigenShield%20Pack%20cases.mpx>

Real-World Applications

The Sigenergy System is versatile and adaptable, making it the perfect solution for various use cases:

- **Residential Homes:** Experience uninterrupted power during outages, reduced reliance on the grid, and efficient energy use tailored to your household's needs.
- **Electric Vehicle Owners:** Seamlessly integrate EV charging into your home energy system, ensuring fast and efficient charging for your vehicle.
- **Off-Grid Living:** Achieve complete energy independence with scalable solar and battery storage solutions.
- **Small Businesses:** Optimize energy consumption and costs, ensuring uninterrupted power for critical operations. With its modular design and customizable configurations, the Sigenergy System grows with your energy needs, providing unmatched flexibility and reliability.

Contact Us

Ready to transform your home energy system? [Get in touch with our experts today!](#)

FAQs

- **Q: How do I maximize savings using the AI Mode?**
 - A: The AI Mode in Sigenergy optimizes charging and discharging cycles based on your energy usage patterns, ensuring efficient operation and cost savings.
- **Q: What is the purpose of the 5-in-1 Battery PCS in SigenStor?**
 - A: The 5-in-1 Battery PCS combines multiple functions like AFCI protection, DC isolation protection, and more in a single unit for comprehensive energy management.
- **Q: How can I ensure seamless power transition during outages?**
 - A: Sigenergy's seamless power regulation algorithm ensures uninterrupted power supply during grid failures with a swift transition to backup power sources.

Documents / Resources



[Sigenergy GPT-4o 5-in-1 Home Energy Solution \[pdf\]](#) User Guide
SigenStor, GPT-4o, AFCI Schutz, GPT-4o 5-in-1 Home Energy Solution,
GPT-4o, 5-in-1 Home Energy Solution, Home Energy Solution, Energy So
lution

References

- [User Manual](#)

■ Sigenergy
◆ 5-in-1 Home Energy Solution, AFCI Schutz, Energy Solution, GPT-4o, GPT-4o 5-in-1 Home Energy Solution, Home Energy Solution, Sigenergy, SigenStor

Leave a comment

Your email address will not be published. Required fields are marked *

Comment *

Name

Email

Website

☐ Save my name, email, and website in this browser for the next time I comment.

Post Comment

Search:

e.g. whirlpool wrf535swhz

Search

[Manuals+](#) | [Upload](#) | [Deep Search](#) | [Privacy Policy](#) | [@manuals.plus](#) | [YouTube](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.