

THE SUNGROW IHOMEMANAGER

INNOVATIVE ENERGY MANAGEMENT



Intelligent Connectivity

Simplifies energy systems with wired/wireless support and a built-in meter for seamless installation.



System Integration

Effortlessly integrates inverters, batteries, EV chargers, and heat pumps into one unified system.



Smart Savings

With the AI feature it optimizes self-consumption and cuts electricity costs for smarter, more efficient energy management.



Weather Forecast

The iHome Manager provides a weekly weather forecast and visually analyzes its impact on solar panel performance. There is an active analysis, helping users anticipate energy output based on sunlight conditions.



Load Prediction

The iHome Manager shows 24-hour load predictions to anticipate room energy demand throughout the day.



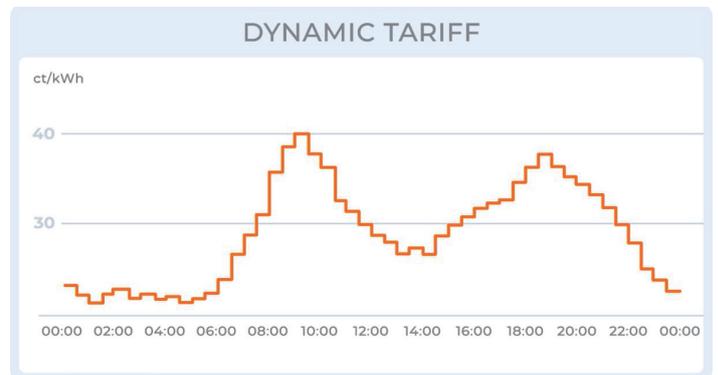
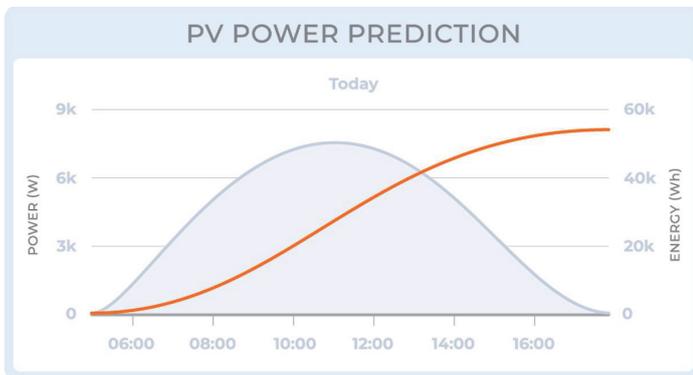
PV Power Prediction

The iHome Manager displays daily solar intensity to predict PV power generation and highlights the connection between solar panels and the inverter.



Dynamic Tariff

The iHome Manager displays 24-hour dynamic tariff changes to track energy price fluctuations. It gathers this data to support cost-efficient energy use.



Battery Charge and Discharge

The iHomeManager tracks battery charge and discharge cycles using real-time data. It visualizes when the battery is actively charging or discharging to optimize energy use. From AI insight curve, users can also see battery charging and discharging strategy at 8pm for next day.



Heat Pump

The iHome Manager monitors heat pump usage over 24 hours, visualizing active periods. It collects this data to support efficient heating management.



EV Charger

The iHome Manager tracks EV charger usage over 24 hours, highlighting charging periods like 8 pm to midnight. It gathers this data to optimize electric vehicle charging.



MORE ANSWERS



1

Is the iHomeManager required to add Sungrow's 22 kW AC Charger to an existing solution with an SHxxT or SGxxRT?

Yes, the iHomeManager is a mandatory component that ensures the integration of the Sungrow's 22kW AC Charger with your energy management system, enabling seamless communication and optimal functionality.

2

What system configurations are supported with iHomeManager?

It supports up to five inverters of the same phase with a maximum of 50 kW capacity, plus one charger and one SG-ready heat pump. By Q4 2025, up to three chargers will be supported, but single-phase and three-phase mixing is not allowed.

3

Does iHomeManager work with dynamic tariffs?

Yes. iHomeManager integrates with Nord Pool and other major power exchanges, adapting in real time to hourly price changes. Powered by Sungrow's AI algorithms, it forecasts solar generation and household demand 24 hours ahead, optimizing when to store, consume, or sell energy. This **minimizes costs** during low-tariff periods and maximizes revenue during peaks—transforming households into “virtual power banks” for automated revenue streams.

4

What new features are available?

New functions include Peak Shaving, AI Mode with revenue maximization, and AI Curve Insights showing forecasted data and load timing. It also supports EnWG 14a compliance in Germany and third-party EMS integration via Modbus.

5

How can the AC Charger and Inverter be connected to the iHomeManager?

The EV charger connects to the iHome Manager through your home router, using either WLAN (Wi-Fi) or Ethernet. Once connected, it is managed directly by the iHome Manager for optimal performance. While for Inverter it can be connected to the iHomeManager either via an RS485 cable or through WiNet using WLAN (Wi-Fi) or Ethernet.

6

Is an additional meter required for the iHomeManager to work?

No, there is no need for an additional meter. The iHomeManager has a built-in metering function, this means that an external meter is no longer required.

7

What new compatibility and features is expected to release soon?

Single-phase PV-ESS-charger will be integrated with iHomeManager soon this year. Shelly plug and multiple EV chargers integration is rolling out as well.

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