



Innovative

- Load analysis, even for each individual load
- Regional weather forecasts are incorporated
- Display of recommended actions for load management

Simple

- Automatic, intelligent control of loads with maximum 10 SMA radio-controlled sockets
- Convenient commissioning with the plant setup assistant.
- Free standard access to Sunny Portal with all basic functions

Transparent

- Convenient plant monitoring via Sunny Portal
- Overview of all energy flows in the home
- Visualization of the weather forecast and PV forecast data

Flexible

- Several standardized meter interfaces
- Specifications for controllable devices

SUNNY HOME MANAGER

The control center for intelligent energy management¹

The Sunny Home Manager is the ideal solution for convenient plant monitoring and intelligent energy management thanks to the standard access to Sunny Portal. It offers an overview of all energy flows in the home, provides recommended actions, and can even automatically control loads via the SMA radio-controlled sockets. The device will learn the household's typical consumption behavior and connect this information to PV forecast data specific to the plant. The result: The Sunny Home Manager is a program that can substantially increase self-consumption and optimize energy use in an environmentally-friendly manner, among other things.

¹ PV forecast data and SMA radio-controlled sockets are not available in all countries

Precise determination of generation, consumption and self-consumption

All energy data displayed live in Sunny Portal

PV forecast data and variable electricity tariffs taken into account

Info page with recommendations for optimizing load management

Presentation and management of home consumption – even from remote locations

Analysis of power consumed by individual devices via SMA radio-controlled sockets

Safe transmission of energy data

SimpleMonitoring via Sunny Portal

Technical data	Sunny Home Manager	
Communication		
Inverter communication	Bluetooth	
Sunny Portal communication	Ethernet	
Connections		
Inverters	See inverter communication	
Ethernet	10 / 100 Mbit, RJ45	
Energy meter	Three 2 x 4-pole plugs for connection of SO cable or DO reading heads	
Max. number of SMA devices		
Bluetooth	16	
Max. communication range		
Bluetooth in free-field conditions	up to 100 m (can be extended with an SMA Bluetooth Repeater)	
Voltage supply		
Voltage supply	External plug-in power supply	
Input voltage	100 V – 240 V AC; 50 / 60 Hz	
Power consumption	< 6 W (max. 14.3 W)	
Ambient conditions in operation		
Ambient temperature	-25 °C ... +60 °C / -13 °F ... +140 °F	
Degree of protection (according to EN IEC 60529)	IP20	
Max. permissible value for relative humidity (non-condensing)	5 % ... 95 %	
Memory		
Internal	Up to 5 days portal buffer	
Daily energy values	Up to 5 days	
General data		
Dimensions (W / H / D)	170 / 124.5 / 41.5 mm (6.7 / 4.9 / 1.6 inch)	
Weight	0.22 kg / 0.5 lb	
Mounting location	Indoor	
Application	Top-hat rail mounting, wall mounting	
Status display	2 LEDs	
Languages of the manual	German, English, Italian, Spanish, French, Dutch, Portuguese, Greek, Czech	
Features		
Operation	Via Sunny Portal	
Warranty	5 years	
Certificates and approvals	www.SMA-Solar.com	
Accessories		
SMA radio-controlled socket with Bluetooth Wireless Technology	For automated management of loads	
SMA Bluetooth Repeater	For extending the max. Bluetooth-Communication range	
Type designation	Sunny Home Manager	

Versatile system with many benefits

The Sunny Home Manager increases your lucrative self-consumption of solar energy, but it does much more than that. It provides you with intelligent energy management in your household. In combination with the Sunny Backup system, it even allows you to store solar power. Its use of weather forecasts to predict solar power generation is unparalleled. The Sunny Home Manager is also the first system ever to take variable electricity tariffs into account, ensuring comprehensive load management. In this way, the device can adjust the power consumption in your home to the actual power of your PV plant, as well as to the energy supply in the main power distribution grid at any given time. Via *Bluetooth* the Sunny Home

Manager can control any standard, off-the-shelf household appliance via SMA radio-controlled sockets. It is also designed for future communication standards of building automation and is therefore ultimately future-proof.

Intuitive Serviceability

The Sunny Home Manager is operated and configured via the Sunny Portal. Therefore, users have the utmost flexibility when it comes to choosing how and where they access it – any web browser and internet connection will do. In addition to the special pages for the Sunny Home Manager, users can also access all of the basic functions

of the Sunny Portal for analysis, visualization, and presentation of the plant data. The status screen shows the current energy data as an animated real-time graph and as actual numbers.

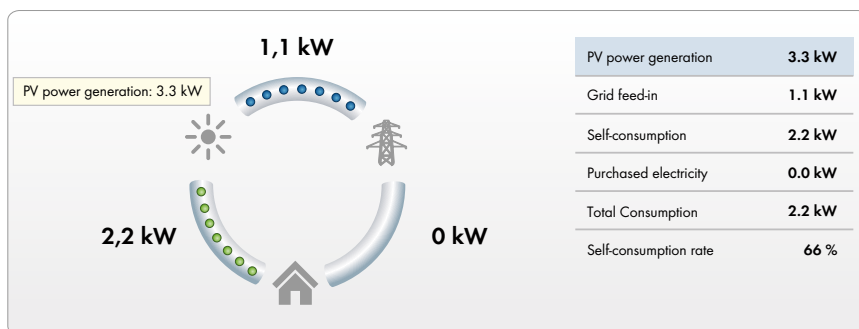


Shining advantages as an overview

- » Increased self-consumption and environmentally-friendly use of energy
- » Up to 10 per cent lower power consumption
- » Automatic access to favorable electricity prices
- » Free standard access to the Sunny Portal
- » Maximum protection for your long-term investment

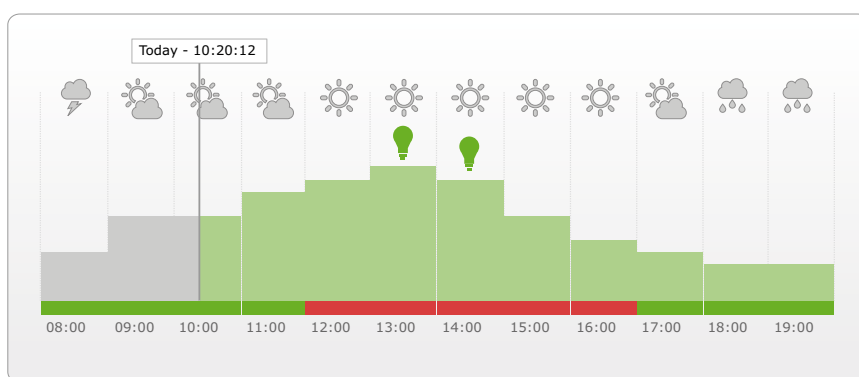
Current status

The status screen shows the current energy data as an animated real-time graph and as actual numbers.



Forecast and recommended action

The planning screen displays the weather forecast for the plant's location and the corresponding generation forecast for the coming hours. In addition to an automatically generated timetable for the controlled loads, the Sunny Home Manager also provides visual prompts to encourage and increase self-consumption.



Energy balance

The analysis page displays the energy balance for the desired time period and facilitates a variety of generation, consumption, and self-consumption analyses.

