SMA

Sunny Home Manager 2.0

My Home. My energy. Our Climate. Use your own solar power and save up to 80% on energy costs.

Intelligent energy manager
- Performs forecast-based management of producing and consuming devices for up to 48 h
- Learns the load profiles of recurring consuming devices
- Maps electricity tariffs or battery charging times

Load-control
- Prioritizes consuming devices
- Defines the PV share of energy requirements
- Sockets, relays or direct communication
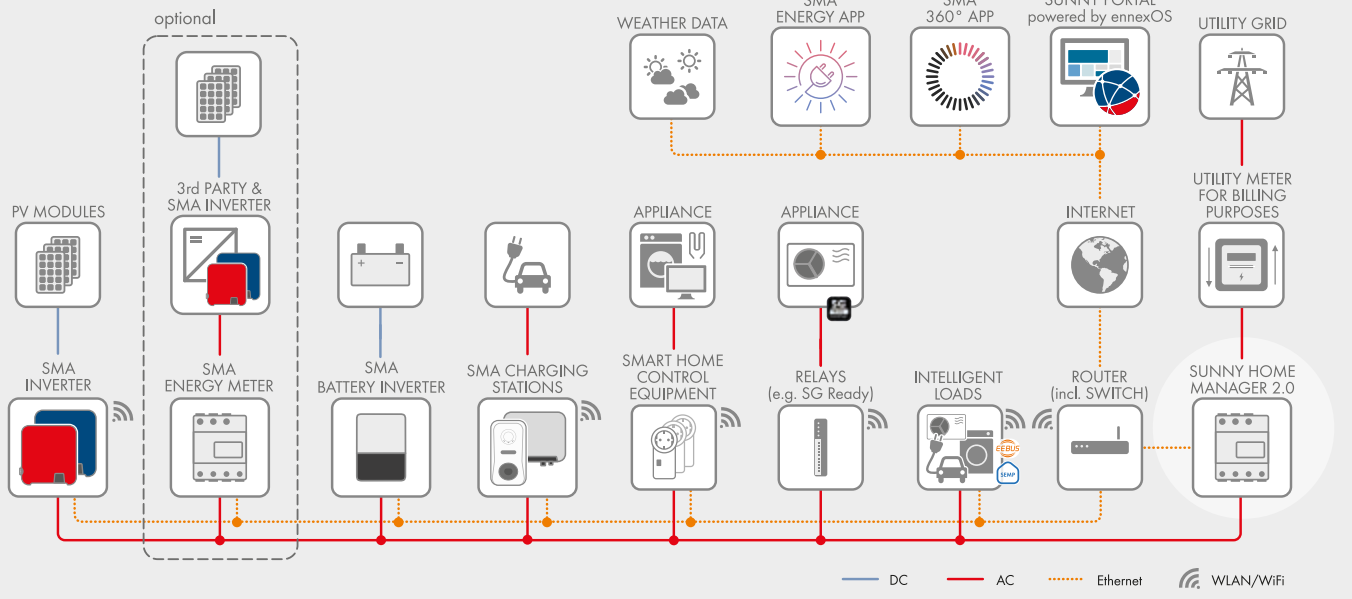- High system compatibility with manufacturers

SMA EnergySystem Home
- Perfectly aligned
- Simple, clear and comprehensible
- SMA Energy app: for when you're out and about

The Sunny Home Manager 2.0 combines all energy flows in your home to create an intelligent system and, upon request, can control them automatically to help you get the most out of your solar power.

On the basis of an online weather forecast and your own consumption analysis, the system creates a day-by-day yield forecast. As a result, the Sunny Home Manager 2.0 knows in advance exactly when a lot of solar power will be available and when the right time is to start the washing machine.

Put your trust in a system that for more than 10 years has successfully helped customers to save money and go green with zero compromise on comfort.

An example of intelligent energy management: PV generation with SMA storage solutions and various controlled appliances.

| DC | AC | Ethernet | WLAN/WiFi |

Technische Daten	Sunny Home Manager 2.0
Energy management	
Increased self-consumption	●
Forecast-based battery charging / load control	● / ●
Selectable forecast period	24 h / 48 h
Visualization of recommended action	●
Prioritization of loads	●
Configurable time frame for consuming devices	●
Consuming device usage with surplus PV energy (optional) / target specification (mandatory)	● / ●
Max. no. of devices: measurable / measurable and controllable	24 / 12
Support, energy management, logs	SMA energy meter interface, SEMP (Simple Energy Management Protocol), EEBUS
Operation and visualization	SMA Sunny Portal, SMA Energy App, local devices LED
Control/optimization targets on the grid connection	
Dynamic active power control: as percentage / value / external specification / zero export	● / ● / ● / ●
Manual/dynamic electricity tariffs	● / –
Time window control for charging the battery-storage system	●
Peak load shaving	●
Compatible devices (detailed information in the product download)	
Monitoring of energy / room temperature	● / ●
Connection of SMA PV inverters and battery systems	●
Integration of third-party inverters via separate SMA Energy Meter	●
Smart Home: radio-controlled socket	●
Home appliances: dishwashers / clothes dryers / washing machines	● / ● / ●
Heating and hot water preparation: heat pumps / heating rods / universal heating solution	● / ● / ●
Heat pumps via SG-Ready interface: internal/external	– / ●
E-mobility: charging stations for electric vehicles	●
Status display and recommended actions: Sunny Portal / local LED	● / ●
General Information	
Measurement accuracy	≤1 %
Nominal Voltage	110 V / 230 V / 400 V
Frequency	50 Hz / 60 Hz
Nominal current / limiting current per phase	5 A/63 A (>63 A can be covered via external current transformers)
Dimensions (W/H/D)	70 mm/88 mm/65 mm
Mounting type/location	Rail mounting in the control or meter cabinet
Interfaces: Wi-Fi/Ethernet	– / ●
Automatic update: Sunny Home Manager / lower-level SMA devices	● / ●
Warranty	2 years
Model type number	HM-20

● Standard features ○ Optional – Not available Version: 4/2024 (Subject to changes)

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