

# SUNNY HOME MANAGER

HM-BT-10, HM-BT-10-SET



## Innovative

- Active power limitation at the grid-connection point
- Consumption analysis for each individual load
- Display of recommended actions for load management

## Easy-to-Use

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

## Transparent

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

## Flexible

- Several standardized meter interfaces
- Individual specifications for controllable devices
- Easy to combine with SMA Smart Home<sup>+</sup> components

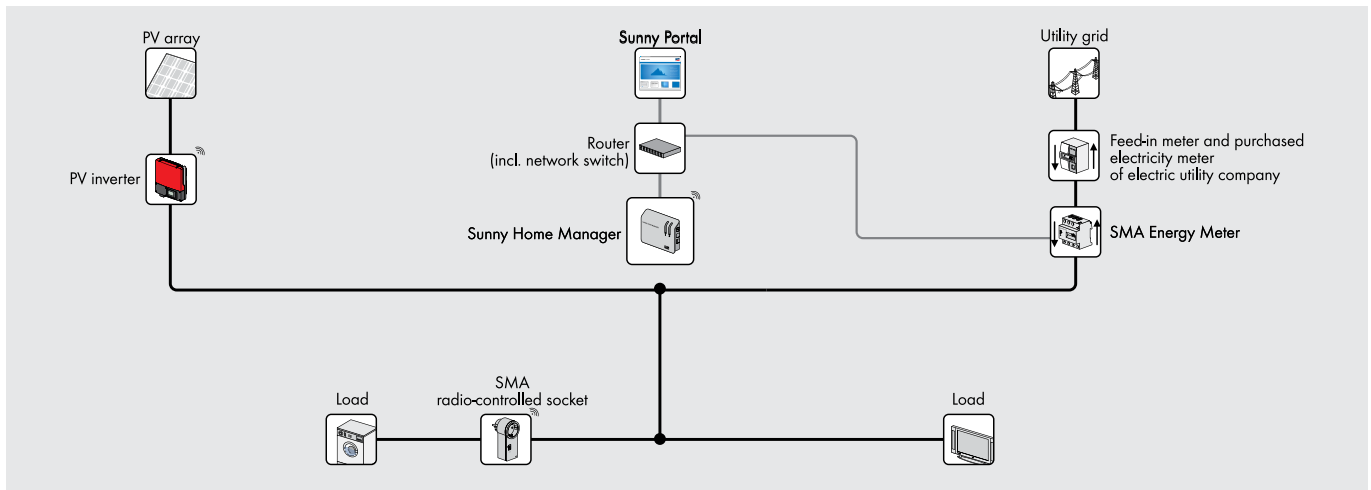
## SUNNY HOME MANAGER

The control center for smart energy management\*\*

Thanks to the standard access to Sunny Portal, the Sunny Home Manager is the ideal solution for intelligent energy management within the SMA Smart Home. It provides an overview of all energy flows in the household, automatic load control, and the integration of storage into the available SMA Flexible Storage System as well as in the upcoming SMA Integrated Storage System. The Sunny Home Manager includes PV forecast data allowing for optimum load management and a considerably higher rate of self-consumption. In addition, the active power fed into the utility grid can be limited to any value between 10 and 100 percent of the installed PV array power.

\* Intelligent energy management system for private households.

\*\* PV forecast data and SMA radio-controlled sockets are not available in all countries.



Technical Data	Sunny Home Manager
<b>Communication</b>	
Inverter communication	Bluetooth® / Speedwire
Sunny Portal communication	Ethernet
<b>Connections</b>	
Inverter	See inverter communication
Ethernet	10 / 100 Mbit, RJ45
Energy meter	Three 2 x 4-pole plugs for connection of S0 cable or D0 optical probes
<b>Max. Number of Connected SMA Devices</b>	
SMA devices	16
SMA inverters	12
SMA radio-controlled sockets	10
<b>Max. Radio Range</b>	
Bluetooth in free-field conditions	Up to 100 m (can be extended with an SMA radio-controlled socket)
Speedwire	100 m
<b>Voltage Supply</b>	
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)
<b>Ambient Conditions in Operation</b>	
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 %
<b>Storage System</b>	
Internal cache for PV system data	5 days
<b>General Data</b>	
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	Indoors
Installation options	Top-hat rail mounting, wall mounting
Status display	2 LEDs
Language of the manual	German, English, Italian, Spanish, French, Dutch, Portuguese, Greek, Czech
<b>Features</b>	
Operation	Via Sunny Portal
Update function	Manually or automatically for the Sunny Home Manager and the connected SMA devices
Warranty	5 years
Certificates and approvals	www.SMA-Solar.com
<b>Accessories</b>	
SMA radio-controlled socket with Bluetooth Wireless Technology	Wireless control and energy measurement of household loads and increase of Bluetooth range
Input voltage	100 V – 240 V
Frequency	50 Hz / 60 Hz
Max. current	16 A
Max. switching power with resistive load	3680 W
SMA Energy Meter	Three-phase, bi-directional measurement solution with SMA Speedwire interface
Last updated: August 2013	
Type designation	HM-BT-10, HM-BT-10-SET