

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



## Innovative

- Active power limitation at the grid-connection point
- Load analysis for each individual load
- Enhanced battery charging for storage systems with Sunny Boy Smart Energy or Sunny Island inverters

## Easy to Use

- Automatic, intelligent control of loads with up to 10 SMA radio-controlled sockets\*
- Easy commissioning with the PV System Setup Assistant
- Free standard access to Sunny Portal with all basic functions

## Transparent

- Basic system monitoring via Sunny Portal
- Overview for all household energy flows
- Visualization of weather and PV forecast data

## Flexible

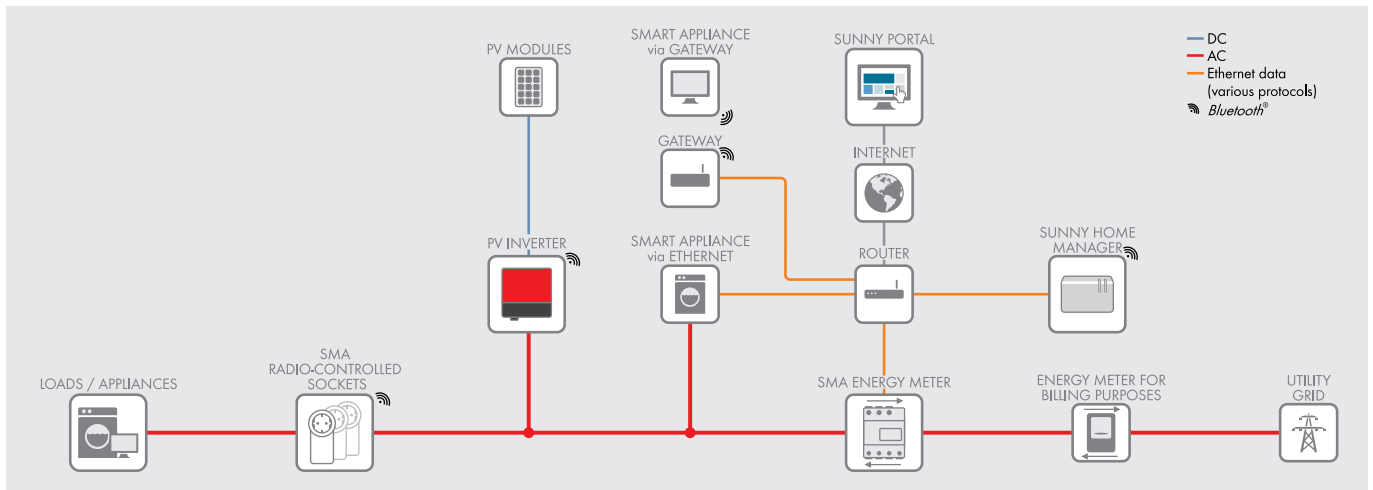
- Several standardized meter interfaces
- Individual specifications for controllable appliances
- Automated integration of Smart appliances via Ethernet communication

## SUNNY HOME MANAGER

The control center for smart energy management

The Sunny Home Manager is the ideal solution for smart energy management within the SMA Smart Home. With the graphical user interface in Sunny Portal, an overview of all important energy flows in the household, automatic load control and storage system integration is provided. By using local PV generation forecasts and learning of the load profiles of household appliances, PV energy can be used more efficiently, thereby significantly increasing self-consumption. Additionally, active power for PV feed-in can be limited to 70 percent (or 60 percent for battery systems), which is required in Germany. In short: Energy management with the Sunny Home Manager allows for higher self-consumption and efficient use of the locally generated PV power.

\* SMA radio-controlled sockets are not available in all countries.



Technical data	Sunny Home Manager
<b>Communication</b>	
Load communication	Bluetooth® via SMA radio-controlled socket / Ethernet
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 / SMA Energy Meter via Ethernet
<b>Max. number of connected devices</b>	
Total number of SMA devices	16
of which SMA inverters	up to 12
of which SMA radio-controlled sockets	up to 10
Smart appliances via Ethernet	up to 32
<b>Max. range for communication</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 to 240 V AC, 50 / 60 Hz
Power consumption	< 6 W (max. 14.3 W)
<b>Ambient conditions during operation</b>	
Ambient temperature	-25°C to +60°C (-13°F to +140°F)
Degree of protection (according to EN IEC 60529)	IP20
Maximum permissible value for relative humidity (non-condensing)	5 % to 95 %
<b>General data</b>	
Dimensions (W / H / D)	170 / 124.5 / 41.5 mm (6.7 / 4.9 / 1.6 inches)
Weight	0.22 kg (0.5 lb)
Mounting location	Indoors
Deployment options	DIN rail mounting, wall mounting
Status display	2 LEDs
Language of the manual	German, English, Italian, Spanish, French, Dutch, Czech, Greek, Portuguese
<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>Accessory</b>	
SMA radio-controlled socket with Bluetooth Wireless Technology	Wireless control and energy measurement of household loads and for extending the Bluetooth range
Input voltage	100 V to 240 V
Frequency	50 Hz / 60 Hz
Max. current	16 A
Max. switching power with resistive load	3680 W
SMA Energy Meter	Precise three-phase measurement of grid supply and grid feed-in, necessary for Sunny Boy Smart Energy and Sunny Island. Connection via Ethernet in the local network.
As of: August 2014	
Type designation	HM-BT-10, HM-BT-10-SET