

SUNNY HOME MANAGER

HM-BT-10



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 controlled devices
- Easily combined with SMA Smart Home components

SUNNY HOME MANAGER

The control center for smart energy management*

The Sunny Home Manager is the ideal solution for intelligent energy management within the SMA Smart Home, thanks to the standard access to Sunny Portal. It provides an overview of all energy flows in the household, automatic load control and the integration of storage into the SMA Flexible Storage System, available now and 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 via remote parameterization.

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



Precise determination of generation, consumption and self-consumption



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



Convenient monitoring via Sunny Portal

Technical Data	Sunny Home Manager
Communication	
Inverter communication	Bluetooth® / Speedwire
Sunny Portal communication	Ethernet
Connections	
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
Max. Number of Connected SMA Devices	
SMA devices	16
SMA inverters	12
SMA radio-controlled sockets	10
Max. Radio Range	
Bluetooth in free-field conditions	Up to 100 m (can be extended with an SMA radio-controlled socket)
Speedwire	100 m
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 %
Storage System	
Internal cache for PV system data	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	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
Features	
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
Accessories	
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
Heating element	Power 500 W – 3500 W
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Type designation	HM-BT-10