SMA

Innovative

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

Simple

- 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
- Visualisation of the weather forecast and PV yield forecast

Flexible

- Several standardised meter interfaces
- Individual specifications for controlled devices
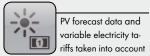- Easy to combine with SMA Smart Home components

SUNNY HOME MANAGER

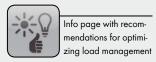The control center for smart energy management

With its standard access to Sunny Portal, the Sunny Home Manager is the ideal solution for simple plant monitoring and intelligent energy management. It provides an overview of all the energy flows taking place in the household or workplace and displays recommended actions. The device learns the typical consumption pattern of the household or workplace and combines this information with a forecast of the plant-specific PV generation. As a result, the Sunny Home Manager enables a much higher self-consumption ratio and a highly efficient use of energy from the environmental point of view.

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.
Safe transmission of energy data	Simple 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
Max. Radio Range	
Bluetooth in free-field conditions	Up to 100 m (can be extended with an SMA bluetooth repeater)
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	
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

www.SMA-Australia.com.au

SMA Australia Pty. Ltd