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 thanks to its standard access to Sunny Portal. It provides an overview of all important energy flows in the household, automatic load control and storage system integration. By using local PV generation forecasts and recording 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.

* Radio-controlled sockets are not available in all countries.
### Technical Data

#### Communication
- **Load communication**: Direct via Ethernet, Plugwise radio-controlled socket via Ethernet, ZigBee / SMA radio-controlled socket via Bluetooth /
- **Inverter communication**: Bluetooth / Speedwire
- **Sunny Portal communication**: Ethernet

#### Connections
- **Inverter**: See inverter communication
- **Ethernet**: 10 / 100 Mbit, RJ45
- **Energy meter**: SMA Energy Meter via Ethernet / three 2 x 4-pole plugs for connection of S0 cable or DD optical probes

#### Max. number of connected devices (in addition to the SMA Energy Meter)
- Total number of devices in the system: up to 24
- Number of devices as loads under active energy management: up to 12

#### 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 to 240 V AC, 50 / 60 Hz
- **Power consumption**: < 6 W (max. 14.3 W)

#### Ambient conditions in operation
- **Ambient temperature**: -25°C to +60°C (-13°F to +140°F)
- **Degree of protection** (according to EN IEC 60529): IP20
- **Max. permissible value for relative humidity** (non-condensing): 5% to 95%

### Sunny Home Manager

#### 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
- **Deployment options**: Top-hat rail mounting, wall mounting
- **Status display**: 2 LEDs
- **Language of the manual**: German, English, Italian, Spanish, French, Dutch, Portuguese

#### 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

#### Accessory
- **SMA Energy Meter**: Precise three-phase measurement of purchased electricity and grid feed-in, necessary for Sunny Boy Smart Energy and Sunny Island. Connection via Ethernet in the local network.
- **Radio-controlled sockets for load control and power measurement**: Plugwise radio-controlled socket sets with Stretch (firmware version 2.7.7, and higher), communication via Ethernet/ZigBee, input voltage 100 V to 240 V (50/60 Hz), switching power: 16 A (max. 3,680 W resistive), country-specific version of type F, E, G, I. Plugwise components are available via local Plugwise sales channels.
- **SMA Bluetooth radio-controlled socket including SMA Bluetooth repeater function**, input voltage 100 V to 240 V (50/60 Hz), Switching power: 16 A (max. 3,680 W resistive), country-specific versions of type F, E

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