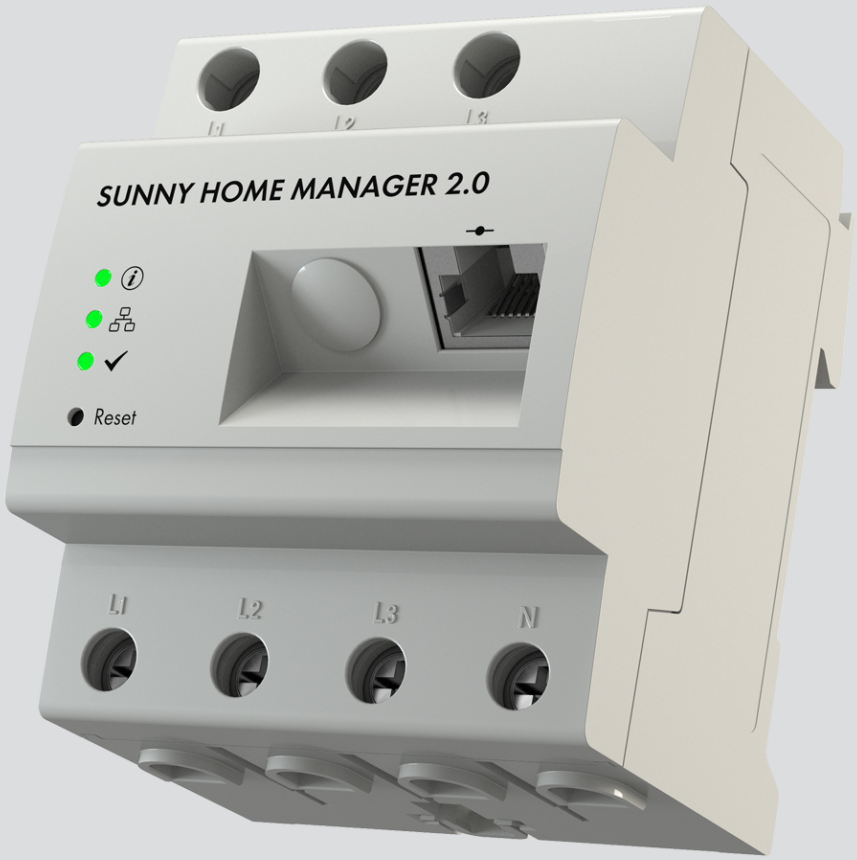
Technical Information

# SMA SMART HOME Compatibility List for the Sunny Home Manager 2.0



# Table of Contents

# 1 Content and Structure of this Document

This document provides an overview of products that are compatible with the use of Sunny Home Manager 2.0 (HM-20):

- Products for monitoring
- Products for load control
- Products for energy generation and storage

## Monitoring products

The Sunny Home Manager supports simple monitoring of different values without using these values for direct control. This information is visualized in Sunny Portal.

## Load control products

As an energy manager for systems equipped with PV systems, the Sunny Home Manager offers solutions for load control of devices from different manufacturers. Loads can include, for example, appliances for the household, heating and hot water preparation as well as e-mobility.

In principle there are the following types of load control for this:

- Indirect control, e.g. via a radio-controlled socket or a relay
  Radio-controlled sockets and relays enable communication with a wide range of devices that cannot be controlled by the Sunny Home Manager via a direct data connection.
- Direct control, e.g. via the an EEBus or SEMP interface
  Loads with a direct data connection to the Sunny Home Manager can be included in energy management without detailed configuration. The Sunny Home Manager automatically exchanges all load-relevant information directly with the appliances in the household and includes the load optimally in the planning process.
- Direct control via the SG-Ready interface
  When connecting a load with electronic control input (e.g. SG Ready or trigger input), the control input signals will be supplied by a relay with a floating switching output. The load is hard-wired to the power supply and always has power. The control input is activated via the relay of the actuator and the load starts.

## Products for energy generation and storage

The Sunny Home Manager receives the data of the energy generated by the PV system directly from the connected SMA inverters. If third-party inverters or other generators are also installed in the PV system, the Sunny Home Manager takes over the measurement data for the generated energy from an intermediate energy meter.

Battery inverters can temporarily store the energy generated by the PV system and make it available when needed. The Sunny Home Manager makes it possible to optimally schedule and use this temporarily stored energy.

# 2 Monitoring

## 2.1 Energy Monitoring

In energy monitoring, the entire energy flows in the household are recorded. Both the amount of energy generated by the PV system and the energy consumption of connected loads can be measured.

### 2.1.1 Energy Meter

#### 2.1.1.1 SMA Energy Meter

The Sunny Home Manager supports the following energy meter:

| Product | Firmware version |
|---|---|
| SMA Energy Meter 10 | from 1.0.4.R |
| SMA Energy Meter 20 | from 2.0.4.R |

### 2.1.2 Radio-Controlled Sockets

The measuring function of the radio-controlled sockets can be used to record the energy consumption of individual electrically connected loads, e.g. household appliances.

#### 2.1.2.1 Radio-controlled sockets from Edimax

For the compatibility of the WLAN radio sockets from Edimax with the Sunny Home Manager 2.0 (from version 2.0.6.R), the firmware versions of the devices must be taken into account:

| Product | Firmware version |
|---|---|
| SP-2101W | up to 2.08 |
| SP-2101W V2 | from 1.00 |
| SP-2101W V3 | from 4.04 |

#### 2.1.2.2 Radio-controlled sockets from AVM

The Sunny Home Manager supports AVM radio-controlled sockets in combination with a FRITZ!Box with DECT function. The FritzOS version of the FRITZ!Box must be taken into account.

| Product | FritzOS version |
|---|---|
| FRITZ!DECT 200 | from 5.50 |
| FRITZ!DECT 210 | from 6.0 |

## 2.2 Temperature Monitoring

### 2.2.1 AVM Temperature Display

The Sunny Home Manager (from version 2.5) supports the display of the device temperature in combination with a FRITZ!Box with DECT function. The FritzOS version of the FRITZ!Box must be taken into account:

| Product | FritzOS version |
|---|---|
| Radio-controlled socket FRITZ!DECT 200 | from 5.5 |
| Radio-controlled socket FRITZ!DECT 210 | from 6.0 |
| Radiator regulators FRITZ!DECT 301 | from 7.2 |

# 3 Smart Home Control Equipment

Via a compatible radio-controlled socket or a compatible relay, a variety of devices that cannot communicate directly with the Sunny Home Manager can be connected to and switched by the Sunny Home Manager.

## 3.1 Radio-Controlled Sockets

### 3.1.1 Radio-controlled sockets from Edimax

For the compatibility of the WLAN radio sockets from Edimax with the Sunny Home Manager 2.0 (from version 2.0.6.R), the firmware versions of the devices must be taken into account:

| Product | Firmware version |
|---|---|
| SP-2101W | up to 2.08 |
| SP-2101W V2 | from 1.00 |
| SP-2101W V3 | from 4.04 |

### 3.1.2 Radio-controlled sockets from AVM

The Sunny Home Manager supports AVM radio-controlled sockets in combination with a FRITZ!Box with DECT function. The FritzOS version of the FRITZ!Box must be taken into account.

| Product | FritzOS version |
|---|---|
| FRITZ!DECT 200 | from 5.50 |
| FRITZ!DECT 210 | from 6.0 |

## 3.2 Relay

### 3.2.1 Moxa Relay

The Sunny Home Manager (from version 2.5) supports the following relays from Moxa:

| Product | Communication standard |
|---|---|
| Moxa ioLogik E 1214* | Modbus |

* Currently, only relay output 1 of the possible 6 relay outputs of the Moxa 1214 can be used, e.g. for SG Ready devices such as heat pumps.

# 4 Electrical Loads

This list contains a selection of electrical loads which, according to the manufacturers, can communicate directly or indirectly with the Sunny Home Manager and has been compiled according to the manufacturers' specifications. Not all devices have been tested by SMA in conjunction with the Sunny Home Manager.

## 4.1 Home appliances

### 4.1.1 Dishwasher

#### 4.1.1.1 Dishwasher from Bosch

The following dishwashers from Bosch are equipped with a communication module that supports connection to the Sunny Home Manager (as of January 2021):

| Series | Product | Sold | Communication standard |
|---|---|---|---|
| Bosch Series 6 | SBA68PD06E | Germany | EEBus |
| | SBE68TX26E | Germany | EEBus |
| | SBI68TS06E | Germany | EEBus |
| | SBV68TX06E | Germany | EEBus |
| | SMA68PD06E | Germany | EEBus |
| | SME68TX26E | Germany | EEBus |
| | SMI68TS06E | Germany | EEBus |
| | SMS68NW06E | Germany | EEBus |
| | SMU68TS06E | Germany | EEBus |
| | SMS68TW06E | Germany | EEBus |
| | SMV68TX06E | Germany | EEBus |
| Bosch Series 8 | SMI88TS16D | Germany | EEBus |
| | SMI88TS06E | Germany | EEBus |
| | SMI88US36E | Germany | EEBus |
| | SMA88TD36E | Germany | EEBus |
| | SMS88TI36E | Germany | EEBus |
| | SMS88UI36E | Germany | EEBus |
| | SMS88US36E | Germany | EEBus |
| | SMV88TX16D | Germany | EEBus |
| | SMV88TX06E | Germany | EEBus |
| | SMV88UX36E | Germany | EEBus |
| | SBA88TD36E | Germany | EEBus |

### 4.1.1.2 Dishwasher from Siemens

The following dishwashers from Siemens are equipped with a communication module that supports connection to the Sunny Home Manager from firmware version 1.13 or higher (as of September 2020):

| Series | Product | Sold | Communication standard |
|---|---|---|---|
| Siemens IQ500 | SN258I06TE | Europe | EEBus |
| | SN258W06TE | Europe | EEBus |
| | SN458B06TS | Europe | EEBus |
| | SN558S06ME | Europe | EEBus |
| | SN558S06TE | Europe | EEBus |
| | SN558S16PE | Europe | EEBus |
| | SN658X06TE | Europe | EEBus |
| | SN658X16PE | Europe | EEBus |
| | SN758X06TE | Europe | EEBus |
| | SN758X46TE | Europe | EEBus |
| | SN778D16TE | Europe | EEBus |
| | SN858D06PE | Europe | EEBus |
| | SX558S06TE | Europe | EEBus |
| | SX658X06TE | Europe | EEBus |
| | SX758X06TE | Europe | EEBus |
| | SX758X46TE | Europe | EEBus |
| | SX858D06PE | Europe | EEBus |
| | SX858D36TE | Europe | EEBus |

| Series | Product | Sold | Communication standard |
|---|---|---|---|
| Siemens IQ700 | SN278I36TE | Europe | EEBus |
| | SN278I36UE | Europe | EEBus |
| | SN478S16TD | Europe | EEBus |
| | SN478S36TE | Europe | EEBus |
| | SN478S36UE | Europe | EEBus |
| | SN578S16TD | Europe | EEBus |
| | SN578S36TE | Europe | EEBus |
| | SN578S36UE | Europe | EEBus |
| | SN678X16TD | Europe | EEBus |
| | SN678X36TE | Europe | EEBus |
| | SN678X36UE | Europe | EEBus |
| | SN878D26PE | Europe | EEBus |
| | SX678X36TE | Europe | EEBus |
| | SX678X36UE | Europe | EEBus |
| | SX878D26PE | Europe | EEBus |

## 4.1.2 Clothes dryer

### 4.1.2.1 Clothes dryer from Bosch

The following dryers from Bosch are equipped with a communication module that supports connection to the Sunny Home Manager (as of January 2021):

| Series | Product | Sold | Communication standard |
|---|---|---|---|
| Bosch Home Professional | WTYH7701 | Germany | EEBus |
| | WTYH7781 | Germany | EEBus |
| | WTY887W6 | Germany | EEBus |
| | WTX87E90 | Germany | EEBus |
| | WTX87E40 | Germany | EEBus |
| Bosch Series 8 | WTX87M40 | Germany | EEBus |
| | WTX87M20 | Germany | EEBus |
| | WTX87K90 | Germany | EEBus |
| | WTX87K80 | Germany | EEBus |

#### 4.1.2.2 Clothes dryer from Siemens

The following dryers from Siemens are equipped with a communication module that supports connection to the Sunny Home Manager from firmware version 1.13 or higher (as of September 2020):

| Series | Product | Sold | Communication standard |
|---|---|---|---|
| Siemens avantgarde | WT47X940EU | Germany, Austria | EEBus |
| Siemens IQ800 | WT7YH701 | Germany, Austria | EEBus |

### 4.1.3 Washing machine

#### 4.1.3.1 Washing machine from Bosch

The following washing machines from Bosch are equipped with a communication module that supports connection to the Sunny Home Manager (as of January 2021):

| Series | Product | Sold | Communication standard |
|---|---|---|---|
| Bosch Home Professional | WAV28E41 | Germany | EEBus |
| | WAYH2842 | Germany | EEBus |
| | WAYH2891 | Germany | EEBus |
| | WAYH8748 | Germany | EEBus |
| | WAYH8749 | Germany | EEBus |
| | WAX32F90 | Germany | EEBus |
| | WAX32E90 | Germany | EEBus |
| Bosch Series 8 | WAV28K40 | Germany | EEBus |
| | WAV28M40 | Germany | EEBus |

#### 4.1.3.2 Washing machine from Siemens

The following washing machines from Siemens are equipped with a communication module that supports connection to the Sunny Home Manager from firmware version 1.13 or higher (as of September 2020):

| Series | Product | Sold | Communication standard |
|---|---|---|---|
| Siemens avantgarde | WM14U840EU | Germany, Austria | EEBus |
| | WM14U940EU | Germany, Austria | EEBus |
| Siemens IQ700 | WM14VL40 | Germany, Austria | EEBus |
| | WM14VM40 | Germany, Austria | EEBus |
| | WM14VMG1 | Germany, Austria | EEBus |

| Series | Product | Sold | Communication standard |
|---|---|---|---|
| Siemens IQ800 | WM14VG40 | Germany, Austria | EEBus |
| | WM16XE90 | Germany, Austria | EEBus |
| | WM16XF90 | Germany, Austria | EEBus |
| | WM4YH748 | Germany, Austria | EEBus |
| | WM4YH749 | Germany, Austria | EEBus |
| | WM4YH7W0 | Germany, Austria | EEBus |
| | WM6YH842 | Germany, Austria | EEBus |
| | WM6YH891 | Germany, Austria | EEBus |

## 4.2 Space- and Water Heating

### 4.2.1 Heat pumps

Heat pumps are divided into three different types. This has an influence on the type of connection to the Sunny Home Manager.

ON/OFF heat pumps are heat pumps whose compressor runs with a constant speed during operation and draws a constant level of power. There are three control options for ON/OFF heat pumps:

- Control via radio-controlled sockets
- Direct control via the SG-Ready interface of the heat pump
- Direct control via a communication standard (SEMP or EEBus)

Inverter heat pumps are heat pumps where the rotating speed of the compressor during operation is controlled in such a way that, in accordance with the available temperature profile, an optimum performance level is achieved. The heat pump control is able to adjust the energy consumption according to the situation. There are two control options for inverter heat pumps:

- Direct control via the SG-Ready interface of the heat pump
- Direct control via a communication standard (SEMP or EEBus)

Integral systems as well as air-to-water heat pumps and brine-to-water heat pumps perform the function of ventilation in addition to space- and water heating. They can be controlled by the Sunny Home Manager if they communicate via a communication standard.

According to the manufacturer, the heat pumps listed below can be controlled directly by the Sunny Home Manager.

#### 4.2.1.1 Heat Pumps with SG-Ready Interface

| Type | Product | Part number | Communication standard |
|---|---|---|---|
| Relay | Moxa ioLogik E 1214 | EIO-E1214 | Modbus |

Models that have an SG Ready interface can be found in the SG Ready database: https://www.waermepumpe.de/normen-technik/sg-ready/sg-ready-datenbank/

### 4.2.1.2 Heat pumps from AEG Haustechnik

| Type | Series | Product | Communication standard |
|---|---|---|---|
| ON/OFF heat pump | WPT | 220 EL | Radio-controlled socket |
| | | 300 EL | Radio-controlled socket |
| | | 300 EL plus | Radio-controlled socket |

### 4.2.1.3 Heat pumps from Stiebel Eltron

The following heat pumps are able to use the SEMP data protocol in conjunction with the Stiebel Eltron ISGweb and the EMI software module or have been tested with the Sunny Home Manager in conjunction with a radio socket.

| Type | Series | Product | Communication standard |
|---|---|---|---|
| ON/OFF heat pumps | Stiebel WWK | 220 electronic | Radio-controlled socket |
| | | 300 electronic | Radio-controlled socket |
| | | 300 electronic SOL | Radio-controlled socket |
| | | 221 electronic | Radio-controlled socket |
| | | 301 electronic | Radio-controlled socket |
| | | 301 electronic SOL | Radio-controlled socket |
| Integral systems | Stiebel LWZ | 303/403 (Integral/SOL) from manufacture date 08/2008 | SEMP |
| | | 303/404 (SOL) | SEMP |
| | | 304/404 Trend | SEMP |
| | | 504 | SEMP |
| Air-to-water heat pumps | Stiebel WPL | 10 I, IK, AC | SEMP |
| | | 13/20 A basic | SEMP |
| | | 13-23 E / cool | SEMP |
| | | 34/47/57 | SEMP |
| | | 15/25 A(C)(S) | SEMP |

| Type | Series | Product | Communication standard |
|---|---|---|---|
| Brine-to-water heat pumps | Stiebel WPF | 20-66 / HT | SEMP |
| | | 04-16 / cool | SEMP |
| | Stiebel WPC | 04-13 / cool | SEMP |

### 4.2.1.4 Heat pumps from Tecalor

The following heat pumps are able to use the SEMP data protocol in conjunction with the Tecalor ISG web and the EMI software module or have been tested with the Sunny Home Manager in conjunction with a radio socket.

| Type | Series | Product | Communication standard |
|---|---|---|---|
| ON/OFF heat pumps | Tecalor TTA | 220 electronic | Radio-controlled socket |
| | | 300 electronic | Radio-controlled socket |
| | | 300 electronic SOL | Radio-controlled socket |
| | | 221 electronic | Radio-controlled socket |
| | | 301 electronic | Radio-controlled socket |
| | | 301 electronic SOL | Radio-controlled socket |
| Integral systems | Tecalor THZ | 303/403 (Integral/SOL) from manufacture date 08/2008 | SEMP |
| | | 304/404 (SOL) | SEMP |
| | | 304/404 Trend | SEMP |
| | | 504 | SEMP |
| Air-to-water heat pumps | Tecalor TTL | 10 I, IK, AC | SEMP |
| | | 13/20 A basic | SEMP |
| | | 13-23 E / cool | SEMP |
| | | 34/47/57 | SEMP |
| | | 15/25 A(C)(S) | SEMP |
| Brine-to-water heat pumps | Tecalor TTF | 10-16 M | SEMP |
| | | 20-66 / HT | SEMP |
| | | 04-16 / cool | SEMP |
| | Tecalor TTC | 04-13 / cool | SEMP |

### 4.2.1.5 Vaillant Heat Pumps

The Vaillant heat pumps have to be connected to the local network (router) via a Vaillant communication unit (VR 920 or VR 921). The Sunny Home Manager from firmware version 2.2 supports the following Vaillant heat pumps (as of January 2021):

| Type | Series | Product | Sold | Communication standard |
|---|---|---|---|---|
| Air-to-water heat pumps | aroTHERM | VWL _/2 | Germany, Austria, Belgium, Denmark, Finland, Luxembourg, Netherlands, Sweden, Switzerland | EEBus |
| | | VWL _/3 | | EEBus |
| | | VWL _/5 | | EEBus |
| Air-to-water heat pumps | aroTHERM Split | VWL _/5 | Germany, Austria, Belgium, Denmark, Finland, Luxembourg, Netherlands, Sweden, Switzerland | EEBus |
| | aroTHERM plus | VWL _/6 | | EEBus |
| Heat pumps | flexoCOMPACT exclusive | VWL _/4 | Germany, Austria, Belgium, Denmark, Finland, Luxembourg, Netherlands, Sweden, Switzerland | EEBus |
| | flexoTHERM exclusive | VWL _/4 | | EEBus |
| Air-to-water heat pumps installed in-doors | recoCOMPACT exclusive | VWL _/5 | Germany, Austria, Belgium, Denmark, Finland, Luxembourg, Netherlands, Sweden, Switzerland | EEBus |
| | versoTHERM plus | VWL _/5 | | EEBus |

### 4.2.1.6 Heat pumps from Wolf

As of September 2020

| Series | Product | Sold | Communication standard |
|---|---|---|---|
| CHA-Monoblock | CHA-07/400V | Germany, Austria, Switzerland, Belgium, Czech Republic, Slovakia, Denmark, Spain, France, Italy, Netherlands, Poland | EEBus |
| | CHA-10/400V | Germany, Austria, Switzerland, Belgium, Czech Republic, Slovakia, Denmark, Spain, France, Italy, Netherlands, Poland | EEBus |
| CHC-Monoblock | CHC/200 | Germany, Austria, Belgium, Czech Republic, France, Italy, Netherlands, Hungary, Estonia | EEBus |
| | CHC/300 | Germany, Austria, Belgium, Czech Republic, France, Italy, Netherlands, Hungary, Estonia | EEBus |
| CHT-Monoblock | CHT/200 | Germany | EEBus |
| | CHT/300 | Germany | EEBus |

### 4.2.2 Heating elements

#### 4.2.2.1 Heating elements from MYPV

| Product | Communication standard |
|---|---|
| AC ELWA-E | SEMP |
| AC • Thor | SEMP |
| AC • Thor 9s | SEMP |

## 4.3 E-mobility

### 4.3.1 Charging stations for electric vehicles

#### 4.3.1.1 Charging stations from SMA

| Series | Product | Communication standard |
|---|---|---|
| SMA EV Charger | EVC7.4-1AC-10 | SEMP |
| | EVC22-3AC-10 | SEMP |

#### 4.3.1.2 Charging stations from Mennekes

| Series | Product | Communication standard |
|---|---|---|
| Mennekes AMTRON | Xtra | SEMP |
| | Premium | SEMP |

#### 4.3.1.3 Charging stations from DiniTech

| Series | Product | Communication standard |
|---|---|---|
| NRGkick | NRGkick 32A BLE * | SEMP |
| | NRGkick 16A BLE * | SEMP |

* NRGkick Connect required

# 5 Energy Generators and Storage Systems

## 5.1 PV Inverters

### 5.1.1 SMA PV Inverters

| Device type | | From inverter firmware version |
|---|---|---|
| Sunny Boy | SB 3000TL-21 / SB 3600TL-21 / SB 4000TL-21 / SB 5000TL-21 / SB 6000TL-21 | 2.00.00.R* |
| | SB 3600SE-10 / SB 5000SE-10 | 2.3.35.R |
| | SB1.5-1VL-40 / SB2.5-1VL-40 / SB2.0-1VL-40 | 2.03.01.R |
| | SB3.0-1AV-40 / SB3.6-1AV-40 /SB4.0-1AV-40 /SB5.0-1AV-40 | 1.02.18.R |
| | SB3.0-1AV-41 / SB3.6-1AV-41 / SB4.0-1AV-41 / SB5.0-1AV-41 / SB6.0-1AV-41 | 3.10.18.R |
| | SB 2500TLST-21 / SB 3000TLST-21<br>With data module SWDM-10 | 2.00.27.R* |
| Sunny Boy Storage | SBS2.5-1VL-10 | 02.02.01.R |
| | SBS3.7-10 / SBS5.0-10 / SBS6.0-10 | 01.00.63.R |
| Sunny TriPower | STP3.0-3AV-40 / STP4.0-3AV-40 / STP5.0-3AV-40 / STP6.0-3AV-40 / STP8.0-3AV-40 / STP10.0-3AV-40 | 02.11.09.R |
| | STP 50-40 | 01.01.19.R |
| | STP 8000TL-10 / STP 10000TL-10 / STP 12000TL-10 / STP 15000TL-10 / STP 17000TL-10 | 2.33.02.R* |
| | STP 5000TL-20/STP 6000TL-20/STP 7000TL-20/STP 8000TL-20/ STP 9000TL-20/STP 10000TL-20/STP 12000TL-20 | 2.00.15.R |
| | STP 15000TLEE-10 / STP 20000TLEE-10 | 2.10.20.R |
| | STP 15000TL-30 / STP 20000TL-30 / STP 25000TL-30 | 02.80.04.R |
| Sunny Island | SI 6.0H- / SI 8.0H | 01.00.xx.R |
| | SI3.0M-11 / SI4.4M-11 | 1.00.00.R |
| | SI3.0M-11 / SI4.4M-11 / SI6.0H-11 / SI8.0-11<br>With SMA Speedwire data module Sunny Island | |
| | SI4.4M-12 / SI6.0H-12 / SI8.0H-12 | 01.00.xx.R |
| | SI6.0H-13 / SI8.0H-13 | 3.20.09.R |

* This firmware version is the minimum requirement for the function **Limiting of the active power feed-in**.

## 5.2 Battery inverter

### 5.2.1 SMA Battery Inverters

| Device type | | From inverter firmware version |
|---|---|---|
| Sunny Boy | SB 3000TL-21 / SB 3600TL-21 / SB 4000TL-21 / SB 5000TL-21 / SB 6000TL-21 | 2.00.00.R* |
| | SB 3600SE-10 / SB 5000SE-10 | 2.3.35.R |
| | SB1.5-1VL-40 / SB2.5-1VL-40 / SB2.0-1VL-40 | 2.03.01.R |
| | SB3.0-1AV-40 / SB3.6-1AV-40 /SB4.0-1AV-40 /SB5.0-1AV-40 | 1.02.18.R |
| | SB3.0-1AV-41 / SB3.6-1AV-41 / SB4.0-1AV-41 / SB5.0-1AV-41 / SB6.0-1AV-41 | 3.10.18.R |
| | SB 2500TLST-21 / SB 3000TLST-21<br>With data module SWDM-10 | 2.00.27.R* |
| Sunny Boy Storage | SBS2.5-1VL-10 | 02.02.01.R |
| | SBS3.7-10 / SBS5.0-10 / SBS6.0-10 | 01.00.63.R |
| Sunny TriPower | STP3.0-3AV-40 / STP4.0-3AV-40 / STP5.0-3AV-40 / STP6.0-3AV-40 / STP8.0-3AV-40 / STP10.0-3AV-40 | 02.11.09.R |
| | STP 50-40 | 01.01.19.R |
| | STP 8000TL-10 / STP 10000TL-10 / STP 12000TL-10 / STP 15000TL-10 / STP 17000TL-10 | 2.33.02.R* |
| | STP 5000TL-20/STP 6000TL-20/STP 7000TL-20/STP 8000TL-20/ STP 9000TL-20/STP 10000TL-20/STP 12000TL-20 | 2.00.15.R |
| | STP 15000TLEE-10 / STP 20000TLEE-10 | 2.10.20.R |
| | STP 15000TL-30 / STP 20000TL-30 / STP 25000TL-30 | 02.80.04.R |
| Sunny Island | SI 6.0H- / SI 8.0H | 01.00.xx.R |
| | SI3.0M-11 / SI4.4M-11 | 1.00.00.R |
| | SI3.0M-11 / SI4.4M-11 / SI6.0H-11 / SI8.0-11<br>With SMA Speedwire data module Sunny Island | |
| | SI4.4M-12 / SI6.0H-12 / SI8.0H-12 | 01.00.xx.R |
| | SI6.0H-13 / SI8.0H-13 | 3.20.09.R |

* This firmware version is the minimum requirement for the function **Limiting of the active power feed-in**.

## 5.3 Hybrid Inverters

### 5.3.1 SMA Hybrid Inverters

| Device type | | From inverter firmware version |
|---|---|---|
| Sunny Boy | SB 3600SE-10 / SB 5000SE-10 | 2.3.35.R |


ENERGY
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CHANGES
SMA