**SUNNY HOME MANAGER 2.0**

The control center for smart energy management

The Sunny Home Manager 2.0 is SMA’s intelligent energy manager and enables the most efficient use of solar energy in the home. It optimizes PV self-consumption and significantly reduces electricity costs. To do this, it measures the power of PV generation, purchased electricity as well as grid feed-in, and gives an overview of all relevant energy flows in the household. By means of local PV generation forecasts and the measured household consumption profile, the self-learning device prompts the user with energy-related action recommendations. Operation of the controlled appliances is coordinated in a way to optimize the use of self-generated solar energy.

The path to intelligent energy management is quite easy. Simply install the Sunny Home Manager 2.0 at the grid connection point, connect it to the internet router using an Ethernet cable, then register the PV system in Sunny Portal or Sunny Places free of charge and join more than 30,000 systems already installed worldwide in benefiting from greater energy efficiency.

<table>
<thead>
<tr>
<th>Innovative</th>
<th>Easy to Use</th>
<th>Transparent</th>
<th>Flexible</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Energy manager with integrated measuring device</td>
<td>- Quick plug-and-play installation</td>
<td>- Energy balance and load data shown in interactive diagrams</td>
<td>- Appliance connection via standard protocols and compatible radio-controlled sockets</td>
</tr>
<tr>
<td>- Consumption analysis of individual loads</td>
<td>- Overview of all relevant appliances, PV generation and battery systems</td>
<td>- Integrated weather and PV forecast data</td>
<td>- For compatible devices, such as heat pumps, electric vehicles and other household appliances, go to <a href="http://www.sma-solar.com">www.sma-solar.com</a></td>
</tr>
<tr>
<td>- Optimized battery charging in SMA storage systems</td>
<td>- Use energy more efficiently and reduce electricity costs</td>
<td>- PV system monitoring via Sunny Portal and Sunny Places</td>
<td>/</td>
</tr>
</tbody>
</table>

SUNNY HOME MANAGER 2.0

HM-20
### Technical Data

**Sunny Home Manager 2.0**

**Energy Manager**
- Connection to the local router
- Connection of SMA PV inverters and battery systems
- Connection of appliances for energy management

See technical information on the Sunny Home Manager 2.0 product page at www.sma-solar.com

**Integrated Measuring Device**
- Measurement accuracy, measuring cycle
- Standard application
- Alternative application

**Max. number of devices on the system**
- Total number of devices in the system: up to 24
- of which devices as appliances in active energy management: up to 12

**Inputs (voltage and current)**
- Nominal voltage: 230 V/400 V
- Frequency: 50 Hz/±5%
- Nominal current/limiting current per line conductor
- Connection cross-section: 10 mm² to 16 mm² (for 63 A application)
- Torque for screw terminals: 2.0 Nm

**Ambient Conditions in Operation**
- Ambient temperature: –25°C to +40°C
- Storage temperature range: –25°C to +70°C
- Protection class: II
- Degree of protection (according to IEC 60529): IP2X
- Max. permissible value for relative humidity (non-condensing): 5% to 90%
- Operation altitude range: 0 m to 2000 m

**General Data**
- Dimensions (W/H/D): 70 mm/88 mm/65 mm
- Top hat rail width units: 4
- Weight: 0.3 kg
- Mounting location: Switch or meter cabinet
- Mounting type: Top hat rail mounting
- Status display: 3 x LED
- Self-consumption: < 3 W

**Features**
- Operation and visualization via Sunny Portal, Sunny Places, Sunny Portal Pro
- Update function: Automatic for the Sunny Home Manager and the connected SMA devices
- Warranty: 2 years
- Certificates and approvals: www.SMA-Solar.com

**Accessories**
- SMA Energy Meter as complement to integrated measuring device
- Precise three-phase measuring, connection via Ethernet in the local network.

**Last updated:** March 2017

**Type designation:** HM-20