

# Sunny WebBox



The communication center for your solar power plant



Continuous monitoring  
of your PV plant

Early identification  
of failures

Recording of daily, monthly  
and annual energy yield

Diagnosis and plant  
configuration possible with  
any PC

Automatic data transfer  
in chosen intervals

Data storage and display  
on the internet

Compatible with all  
SMA inverters

Low power consumption

Silently and continuously your photovoltaic plant produces energy. Just as silently and using very little power, the Sunny WebBox monitors the smooth operation of your PV plant. It collects the inverters' data, stores it, and on demand, passes it on to your PC; or sends it directly to the SMA internet portal that offers you free long-term data storage and display of your system data.

Whether storing data offline on an SD card or online connected to the internet - its many communication options and low power consumption make the Sunny WebBox the ideal communication center for your solar power plant.

# The new way to monitor your system

## New standards in communication

Complete plant monitoring, remote diagnosis as well as data storage and display:

With the Sunny WebBox, SMA sets new standards in communication.

The Sunny WebBox is the link between the PV plant and its owner. It combines computing power, storage capacity, and versatile communication interfaces in a compact enclosure. Networked with the Sunny Portal, the datalogger offers up-to-date display and control options based on the internet.

For data transfer to and from the SMA inverters, the Sunny WebBox supports communication via RS232 and RS485 as well as via Powerline by the AC connector cable. Radio transmission for wireless communication, as it is possible with Sunny Beam, and the integration of external sensors via Ethernet, for example for measuring

solar irradiation or the module temperature, will be available in the future.

## Around the clock, around the globe

A PC or laptop with internet browser is all that is needed to access the WebBox at any time and inform yourself of the status of your PV plant - from your home, your office, or even from your vacation spot.

The Sunny WebBox is equipped with its own web server that is completely configured and responds to your internet browser. This allows you to view the output of your plant or the measuring channels of your inverters. This way, it is also possible to adjust the parameters of the Sunny WebBox, for example upon initial installation.

The next step to even more convenience is to use the Sunny WebBox in combination with SMA's Sunny Portal website

(www.SunnyPortal.com). The internet portal offers the free graphic presentation of your plant data in charts and diagrams.

You can access Sunny Portal without any programming efforts from your end - this service has already been taken care of by SMA.

Data transfer and plant configuration via internet is handled either by Ethernet connection or telephone modem. Data transfer is carried out automatically - all you have to do is to set the desired intervals.

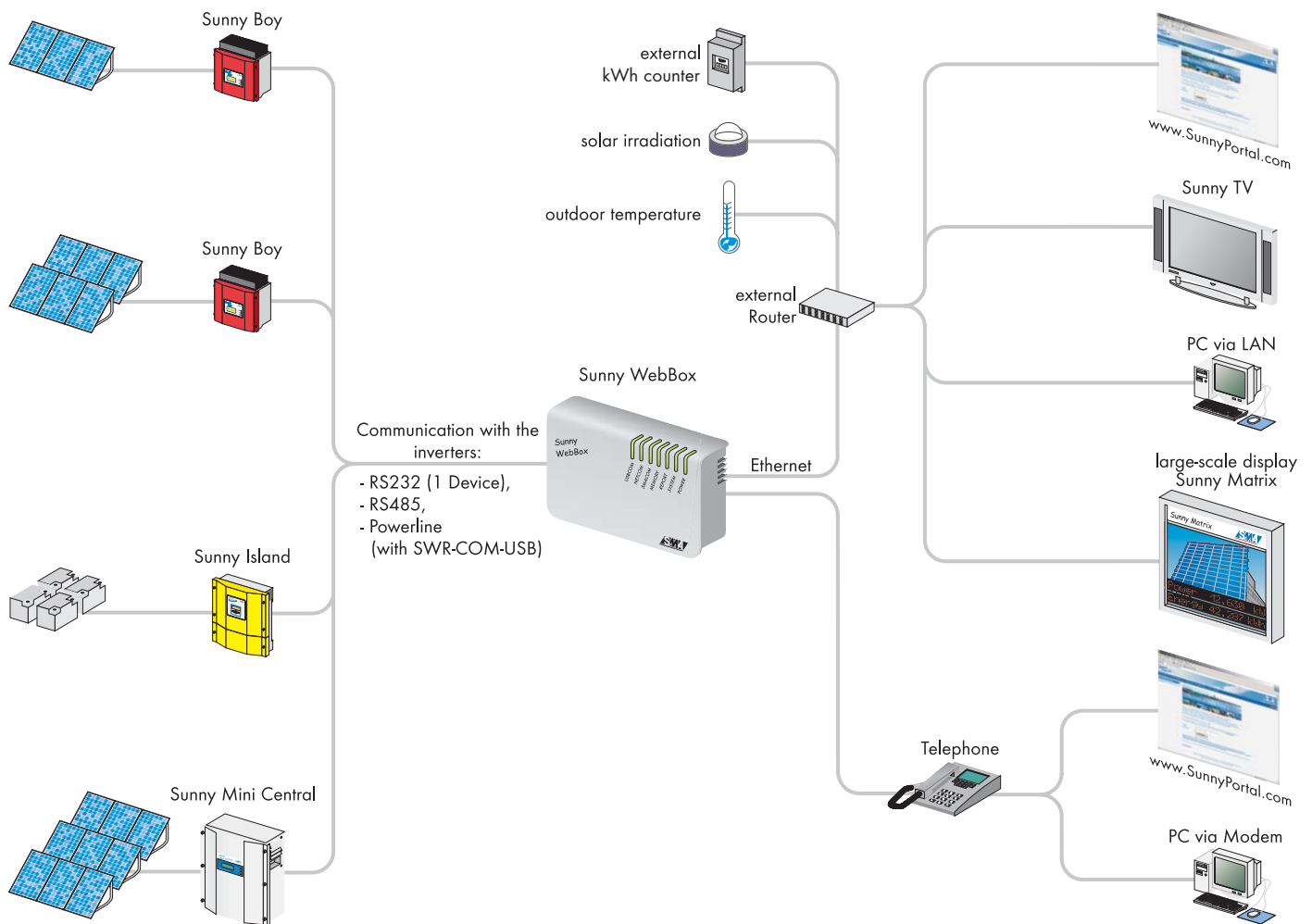
## Perfect match

Sunny WebBox and Sunny Portal are a perfectly matched duo. They offer you long-term control of your solar power plant, inform you about changes in plant performance in time, and let you track the amortization of your investment at any time.

Learn more about this new way of plant monitoring by visiting [www.SunnyPortal.com](http://www.SunnyPortal.com). There, we have set up a test account for you to view plants currently in use and in order for you to get to know the new possibilities without any obligation.



Customer plant in Sunny Portal, 10.4 kWp



Sunny WebBox - the communication center for your solar power plant

## Technical Data

Interfaces	
SMACOM to the inverters	RS232 (1 inverter, max. 12 m cable) RS485 (up to 50 inverters, max. 1,200 m cable) Powerline (up to 50 inverters, max. 1,000 m cable)
AUXCOM Modem for Sunny Portal	Analog modem, integrated
Ethernet Connection to home network and Sunny Portal	Ethernet / Fast Ethernet interface
External data storage	
SD-Card	from 16 MB upwards
USB-Stick	USB 2.0 Host

Dimensions	
Size	225 / 130 / 57 mm (w x d x h)
Weight	750 g
Power supply	
Socket transformer	typ. 300 mA; 12 V +5 % max. 1 A; 12 V +5 %
Ambient operating conditions	
Ambient temperature	0 °C to 55 °C
Relative humidity	5 % to 95 %, non-condensing
Miscellaneous	
Operating system	Windows CE.NET
Status display	9 LED 's
Application	Wall mounting, DIN rail mounting, desktop unit

# More data technology products



## Sunny Portal

- Free interactive access to your PV plant
- Storage and individual display of your system data
- Remote monitoring and service via internet
- Free registration at [www.SunnyPortal.com](http://www.SunnyPortal.com)



## Sunny Boy Control

- Monitoring, remote diagnosis and long-term recording of inverters' operating data
- Communication with inverters via RS232, RS485 or Powerline
- Daily/hourly status report
- Suitable for all systems regardless of size

## Sunny Beam

- Monitoring and recording of inverters' operating data
- Communication with inverters via radio transmission
- USB interface for data transfer to PC
- Data storage and individual display via Sunny Portal
- Power supply via integrated solar cell

## Sunny Matrix

- Large-scale display for PV systems
- Dimensions: 400 mm x 800 mm to 1000 mm x 800 mm
- Weather-proof, wall-mounting
- Ethernet connection to Sunny WebBox
- Custom lamination
- Day and night function
- Variable display output: energy yield, air temperature, time, scrolling text with advertising message etc.
- Character height: 51 mm



## Sales Contact:

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