

# Sunny WebBox™



Web enabled data logging and control for alternative energy systems



System access from any Web browser - anywhere in the world

Recording of daily, monthly and annual energy yield via Sunny Portal™

Remote plant diagnosis

Remote system configuration

Automatic data transfer at chosen intervals

Data storage and display via Ethernet

Compatible with all SMA utility interactive inverters

Low power consumption

Automated communication with Sunny Portal™

The new Sunny WebBox from SMA is a powerful communications tool that allows the operating data of your solar system to be logged and easily transmitted via modem or Ethernet to the Web or directly to your PC. It can also send the data to SMA's new internet portal (Sunny Portal) which provides free long-term data storage and graphical display of your system data. Collected information is stored in common file formats so that you can use it in various spreadsheets, graphs or your own web site. The Sunny WebBox is extremely versatile; making the storage, transmission, management and display of your system data easier than ever before.

# The new way to monitor your system

## A new standard in communication

The Sunny WebBox provides complete plant monitoring, remote diagnosis, data storage and display at an affordable price. It features an integrated HTTP web interface that allows you to access plant information via a PC, regardless of operating system or browser type.

The Sunny WebBox is the link between the Sunny Boy 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 data-logger offers up-to-date display and control options on the internet.

The Sunny WebBox supports RS232 or RS485 protocols for data transfer to and from all SMA utility interactive inverters.

Data transfer and plant configuration via

the internet is handled either by Ethernet connection or telephone modem. Data transfer is automatic - all you have to do is to set the desired intervals. A single WebBox can monitor up to 50 Sunny Boy inverters, saving even more costs when used in larger Sunny Boy solar systems.

## Around the clock, around the world

Check the status of your PV plant - from your home, your office or anywhere you may be. A PC with an internet browser is all that is needed to access the WebBox.

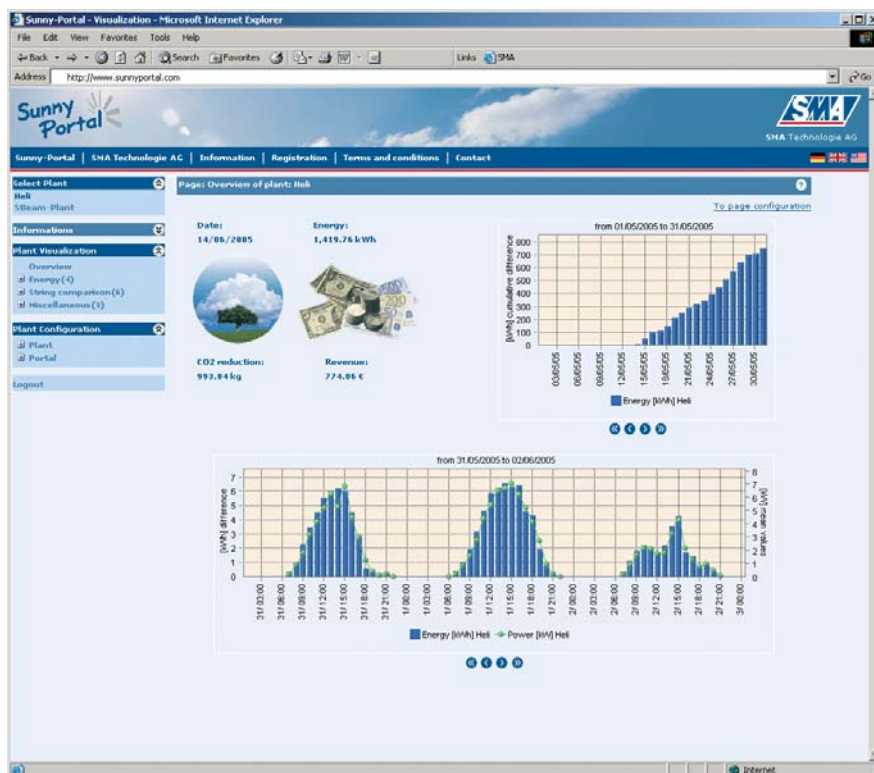
The Sunny WebBox is equipped with its own web server that is preconfigured to work with your internet browser. This allows you to view the output of your plant and the operating channels of each inverter. You can also adjust the parameters of the Sunny WebBox via your web browser.

The Sunny WebBox can also be used in combination with SMA's Sunny Portal Web site ([www.sunnyportal.com](http://www.sunnyportal.com)). Our internet portal offers free graphical presentation of your plant data in charts and diagrams. The Sunny Portal is WebBox ready, simply set up an account and connect the WebBox to the internet.

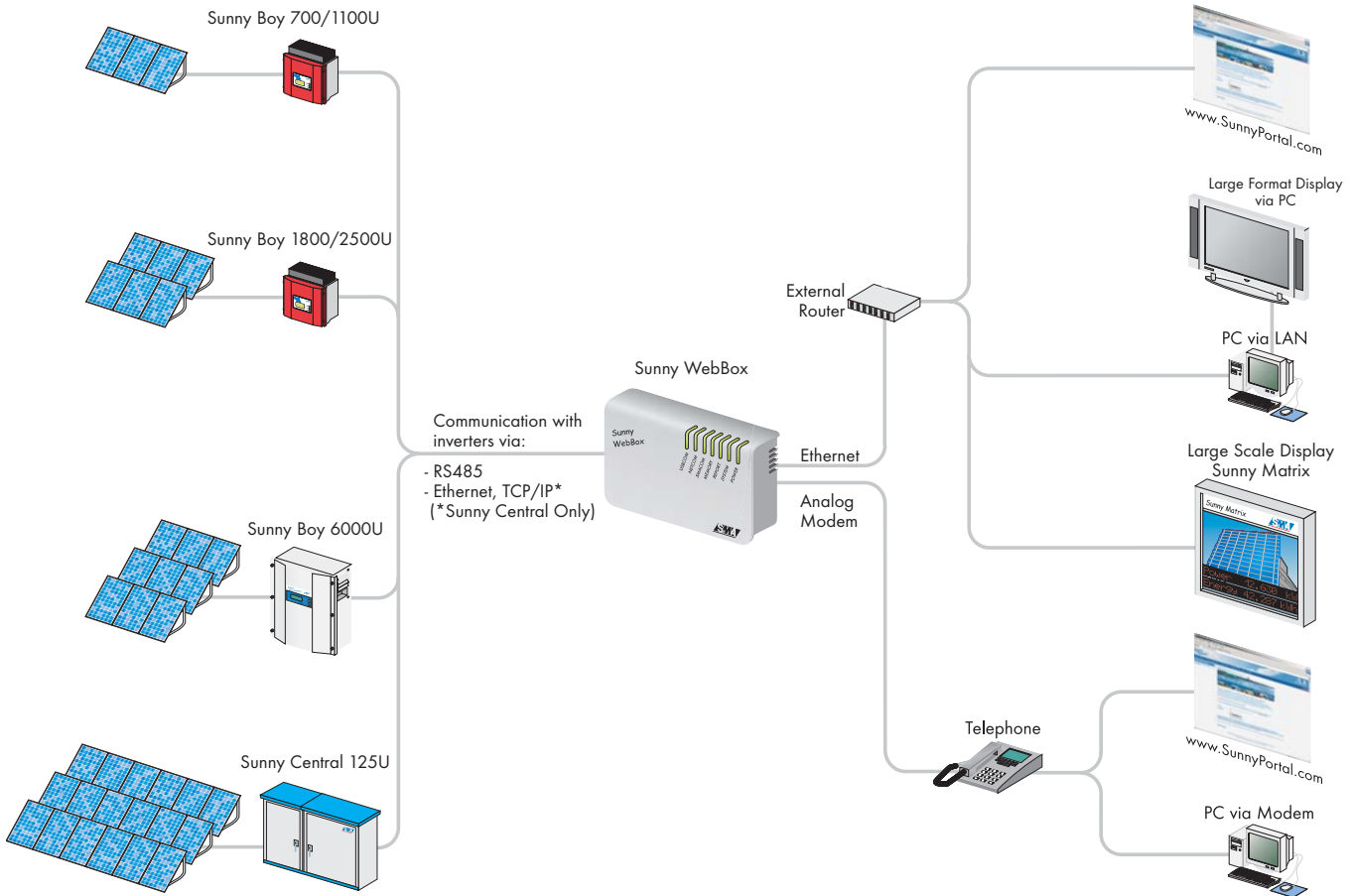
## A perfect match

Sunny WebBox and Sunny Portal are a perfectly matched team. They offer you long-term storage of your solar power plant data, inform you about changes in plant performance, and let you review the performance of your investment at any time, from anywhere.

To learn more about this new method of plant monitoring visit [www.SunnyPortal.com](http://www.SunnyPortal.com). We have set up demonstration accounts that allow you to view actual PV plants. Visit [www.sunnyportal.com](http://www.sunnyportal.com) and see for yourself what the Sunny WebBox and Sunny Portal has to offer.



Customer plant in Sunny Portal, 10.4 kWp



## Specifications

### Interfaces

SMACOM RS485  
(up to 50 inverters, max. 4000 ft. cable)

Ethernet 10Mb / 100 Mb auto sensing

### External Data Storage

SD-Card from 16 MB upwards  
USB-Stick USB 2.0 Host

### Dimensions

Size 8.85 x 2.25 x 5.11 in. (w x d x h)  
Weight 1.65 lb.

### Power Requirements

Wall Transformer Typ. 300 mA @ 12 V  
(120 VAC 60Hz) Max. 1 A @ 12 V  
Power Consumption Max. 12W

### Ambient Temperature Rating

Ambient Temperature Range 0°C to 55°C  
Relative Humidity Range 5% to 95%, non-condensing

### Miscellaneous

Operating System Windows CE.NET  
Status Display 7 LED's  
Mounting Options Wall mount, DIN rail mount, desktop

### Options

Integrated Analog Modem

# The SMA family of data technology products

SMA America offers a wide range of data and communication related products to suit any application and budget. From the affordable Sunny Beam wireless system monitor for both home and commercial use, to the advanced data handling ability of the Web Box, SMA has the right product to meet your communication needs.



## 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 Data Control

- Total plant overview display
- Access system parameters
- Download stored data to PC
- View individual inverter performance



## Sunny Beam

- Monitor and record inverter data
- Wireless operation
- USB for data transfer to PC
- Data storage and individual display via Sunny Data Control
- Power supplied by integrated solar cell



## SMA America Web Site

- For more information and document downloads visit [www.sma-america.com](http://www.sma-america.com)

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