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.
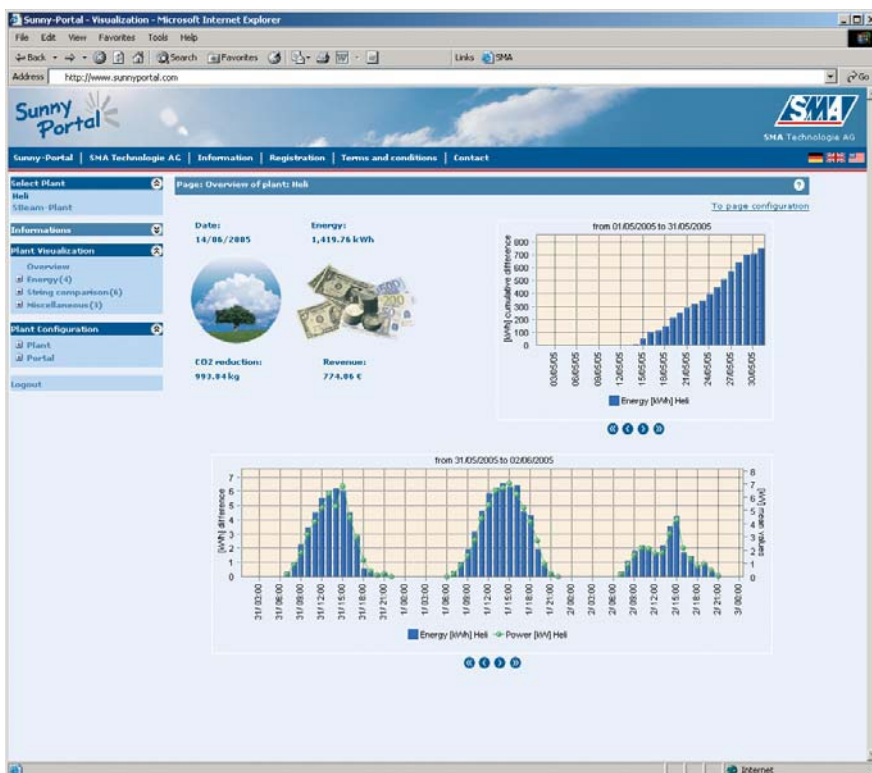
The Sunny WebBox is equipped with its own web server that is preconfigured to work with your internet browser. This allows you to view the output of your plant and the operating channels of each inverter. You can also adjust the parameters of the Sunny WebBox via your web browser.
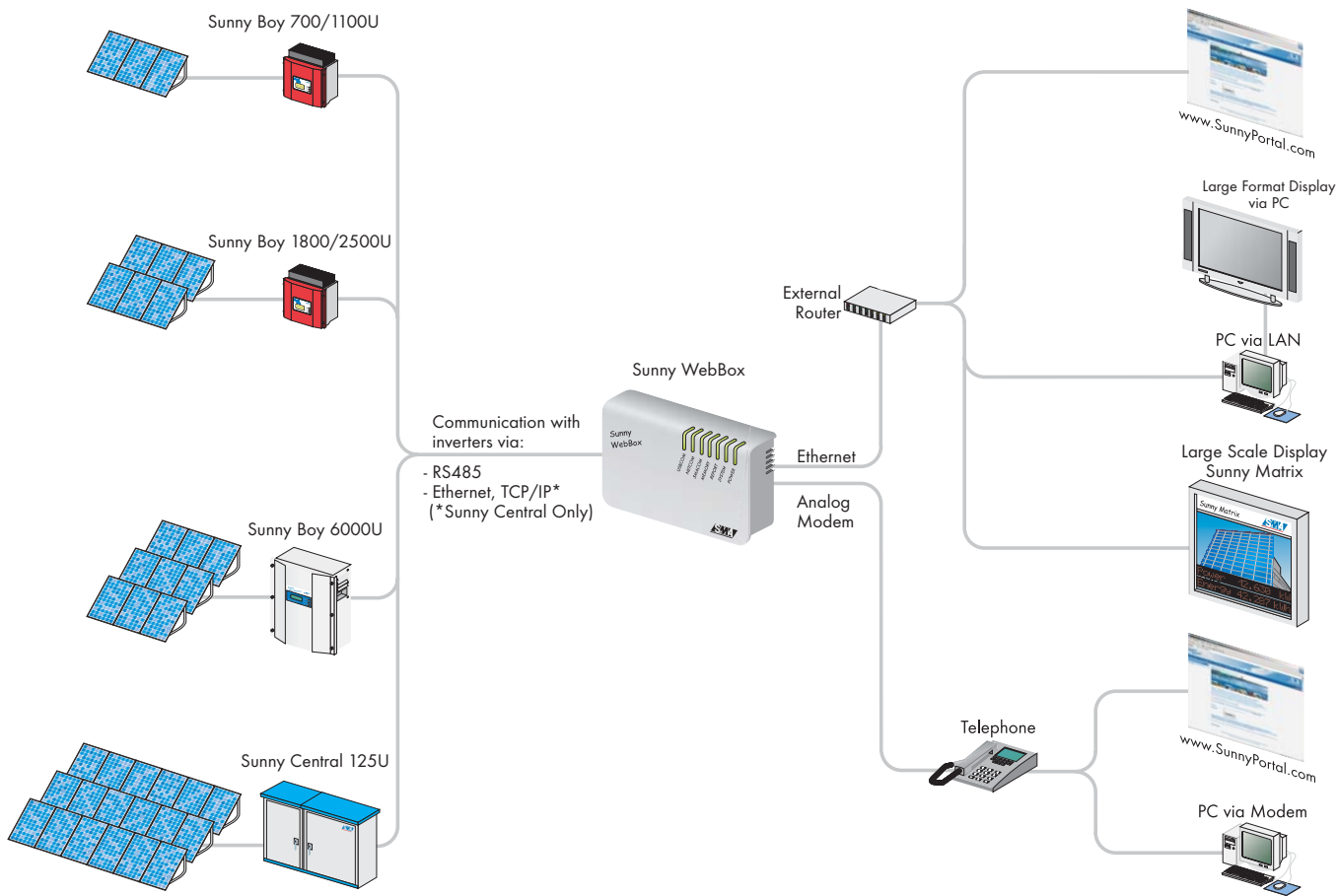
The Sunny WebBox can also be used in combination with SMA's Sunny Portal Web site (www.sunnyportal.com). Our internet portal offers free graphical presentation of your plant data in charts and diagrams. The Sunny Portal is WebBox ready, simply set up an account and connect the WebBox to the internet.

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. We have set up demonstration accounts that allow you to view actual PV plants. Visit 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

Sunny Boy 700/1100U

Sunny Boy 1800/2500U

Sunny Boy 6000U

Sunny Central 125U

Communication with
inverters via:

- RS485
- Ethernet, TCP/IP*
  (*Sunny Central Only)

Sunny WebBox

Sunny
WebBox

External
Router

Ethernet

Analog
Modem

www.SunnyPortal.com

Large Format Display
via PC

PC via LAN

Large Scale Display
Sunny Matrix

Sunny Matrix

Telephone

www.SunnyPortal.com

PC via Modem

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	

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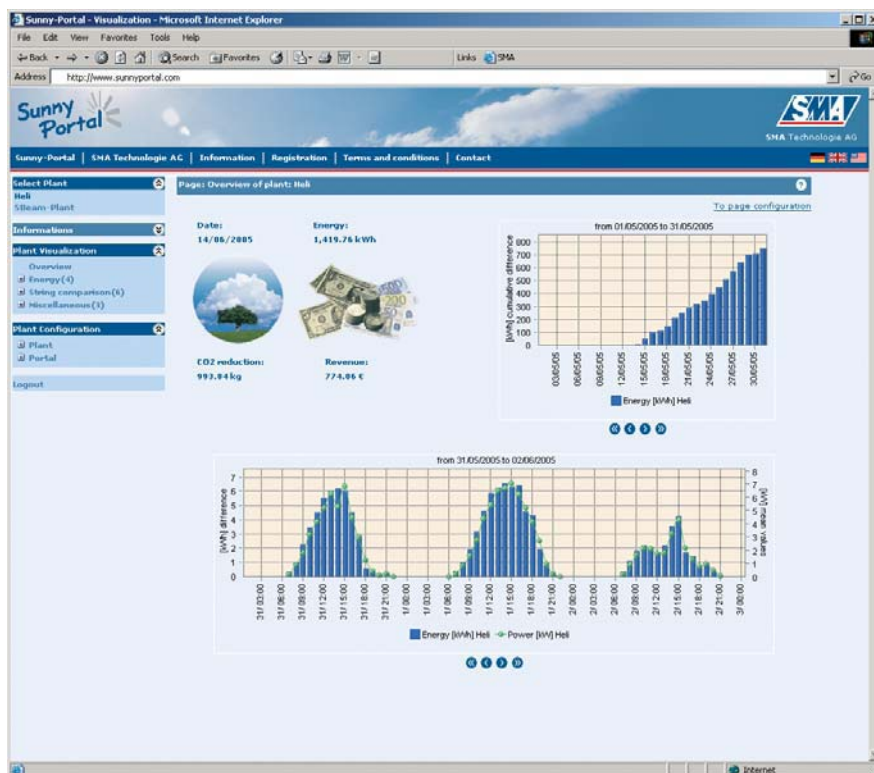
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