

SUNNY WEBBOX

Safe

- > 24-hour control of the PV system
- > Radio-based plant monitoring with Bluetooth
- > Early detection of operational failures
- > Logging of energy yields
- > Safe data storage for evaluation using MS Excel

User-friendly

- > Diagnosis and system configuration using any PC (Windows, Linux & Mac OS)
- > Automatic data transfer at pre-definable intervals
- > Free data conversion and graphic display on the Internet via Sunny Portal



SUNNY WEBBOX

The Professional Data Logger for your Solar Power Station

System monitoring, remote diagnostics, data storage and visualization: the Sunny WebBox is the communication center for your solar power station. On the system side, it continuously gathers all data from the inverters and thereby allows you to remain constantly informed of your system's status at any given time. As a multifunctional data logger, it also offers you a wide range of possibilities for displaying, archiving and further processing the system data. The Sunny WebBox is the right choice for all ambitious photovoltaic system operators who wish to thoroughly document their system data. Even from remote locations, where no DSL or telephone connection is available, the PV system can display its measurement data at Sunny Portal via the optional GSM modem.



SUNNY WEBBOX

Professional System Monitoring Made Easy

System management

The Sunny WebBox continuously records and stores all available measured values of up to 50 inverters. In addition, the inverter parameters can be called up and modified. This allows you to centrally adjust the parameters from the Sunny WebBox, for example.

The Sunny WebBox allows you to attain the status of your solar power system at any time and to detect operational faults at an early stage. Regardless of your location, whether you are at home, at the office or on a business trip, all you need to access the

Sunny WebBox data is a PC with an Internet browser and a connection to the World Wide Web.

The Sunny WebBox and the inverters communicate with each other via Powerline or RS485.

Data management

The Sunny WebBox provides you with various modern data processing options for professional data management. The recorded performance values, which provide you with detailed information on the performance of your system, are saved in conventional CSV or XML file formats on the Sunny Web-



Communication with the inverters via the serial interface (RS485) and Powerline (via SWR-COM USB)



Representative display of the plant data with the large display Sunny Matrix



Free and automatic permanent **storage** and **visualization** of the measurement data in Sunny Portal



Memory extension and data transmission to the PC with removable SD card



Integrated web server for **remote online access** to all current data from any PC



Integrated FTP server for data storage and transmission to the PC



Individual processing of the measuring data on the PC



The free presentation software program **FlashView** creates animated displays for daily yield, power, ecology a.s.o.



Box. The ability to exchange data by FTP allows you to easily transfer these values to your PC. This way, not only can you save valuable system data on your computer for the long-term, but you can also display it according to your preferences using MS Excel, for example, and create straightforward evaluations over the course of the day, month and year.

You can just as easily use a SD card to save your data and transfer it between the Sunny WebBox and your PC. If a SD card is inserted, the Sunny WebBox additionally saves your data on the removable storage medium. Once you have read the data from the SD

card using your PC, you have the identical individual options for processing it as with FTP.

The next step to even more convenience is to use the Sunny WebBox in combination with our free Internet portal. At www.SunnyPortal.com, we provide you with a complete pre-configured environment in which the data can be archived, prepared and displayed, even without requiring your help.

If desired, the Sunny Portal also generates a daily or monthly system report that you receive by e-mail. The portal also informs you if the Sunny WebBox reports a fault in the same manner.

Another advantage is that the WebBox software can be automatically updated via the portal. This ensures that your system monitoring is always kept up-to-date with the latest technology.

Technical Data SUNNY WEBBOX

	SUNNY WEBBOX	
Interfaces		
Inverter communication	RS485 (up to 50 inverters, max. 1200 m cable) Ethernet (Sunny Central)	
Modem	internal, analog modem (optional), GSM modem (optional)	
Ethernet	Ethernet / Fast Ethernet connection connection to the LAN network, Sunny Matrix and Sunny Portal	
Memory extension		
SD card	up to 2 GB	
Dimensions		
Width x Height x Depth (mm)	225 / 130 / 57	
Weight	750 g	
Power supply		
Plug-in power supply	115 V - 230 V, 50 / 60 Hz	
Power absorbed	typ. 4 W / max. 12 W	
Environmental conditions for operation		
Ambient temperature	-20 °C ... +55 °C	
Relative humidity	5 % ... 95 %, non-condensing	
General data		
Status display	integrated LEDs	
Applicability	wall mounting, tabletop device	

