

SUNNY WEBBOX

SUNNY WEBBOX / SUNNY WEBBOX WITH BLUETOOTH



Reliable

- Remote monitoring, diagnosis and configuration of the solar power system from anywhere in the world
- Data logger for all key plant data

Responsive

- Rapid detection of operation failures
- Error notification via e-mail or text message

User-friendly

- Easy remote access via a web browser
- Includes free standard access to the Sunny Portal for the entire service life of the system

Informative


- Flexible display, evaluation, yield and event reports via the Sunny Portal

SUNNY WEBBOX


Remote monitoring and maintenance of large solar power plants

The Sunny WebBox is the ideal monitoring solution for large solar plants. It receives and stores current measurement values and transmits data via *Bluetooth*® or RS485, keeping you informed of system performance 24 hours per day. In the event of a problem, the Sunny WebBox allows you to react quickly. Parameters can be changed remotely and a variety of measured values can be depicted, analyzed and downloaded via a Web browser from anywhere in the world with an Internet connection. All data from the connected devices is stored and, if desired, automatically transmitted to the Sunny Portal. With the optional GSM modem, measurement data can even be transmitted to the Sunny Portal from remote locations.


| Technical data | Sunny WebBox | Sunny WebBox with Bluetooth |
|--|--|--|
| Communication | | |
| Inverter communication | RS485, 10/100 Mbit Ethernet (only for Sunny Central) | Bluetooth |
| PC-communication | 10/100 Mbit Ethernet | 10/100 Mbit Ethernet |
| Data Interface | Modbus TCP, RPC | RPC |
| Connections | | |
| Inverter | 1x SMACOM | – |
| Ethernet | 10/100 Mbit, RJ45 | 10/100 Mbit, RJ45 |
| Max. number of SMA devices | | |
| RS485 / Ethernet | 50 / 50 | –/– |
| Bluetooth | – | 50 |
| Max. communication range | | |
| RS485 / Ethernet | 1200 m / 100 m (3937 ft / 328 ft) | –/– |
| Bluetooth (unobstructed) | – | Up to 100 m (328 ft)** (can be extended with an SMA Bluetooth Repeater) |
| Power supply | | |
| Power supply | External plug-in power supply | External plug-in power supply |
| Input voltage | 100 V – 240 V AC, 50 / 60 Hz | 100 V – 240 V AC, 50 / 60 Hz |
| Power consumption | Typ. 4 W/ max. 12 W | Typ. 4 W/ max. 12 W |
| Environmental conditions in operation | | |
| Ambient temperature | –20 °C ... +55 °C (–4 °F ... +131 °F) | –20 °C ... +65 °C (–4 °F ... +149 °F) |
| Relative humidity | 5% ... 95%, non-condensing | 5% ... 95%, non-condensing |
| Memory | | |
| Internal | 8 MB in a ring memory configuration | 12.5 MB in a ring memory configuration |
| External | SD card 1 GB / 2 GB (optional) | SD card 1 GB / 2 GB (optional) |
| General data | | |
| Dimensions (W / H / D) in mm (in) | 255 / 130 / 57 (10 / 5 / 2) | |
| Weight | 750 g (2 lb) | |
| Mounting location | Indoors | Indoors |
| Installation options | DIN rail installation, wall mounting, tabletop device | DIN rail installation, wall mounting, tabletop device |
| Status display | LEDs | LEDs |
| Language versions (software, manual) | German, English, French, Greek, Italian, Korean, Dutch, Portuguese, Spanish, Czech | |
| Features | | |
| Operation | Integrated Web server (Internet browser) | Integrated Web server (Internet browser) |
| Warranty: 5 years | ● | ● |
| Certificates and approvals | www.SMA-Solar.com | www.SMA-Solar.com |
| Accessories | | |
| Sunny SensorBox | Connection via RS485 Power Injector | Connection via SMA Power Injector with Bluetooth |
| SMA Bluetooth Repeater for extending the max. communication range | – | ○ |
| SD card 1 GB / 2 GB | ○ | ○ |
| RS485 communication cables | ○ | – |
| Plug-in power supply with adapters | ● | ● |
| | | |
| | | |
| | | |
| | | |
| ** Up to 50 m (165 ft) with SMA Bluetooth® Piggy-Back. Required for Sunny Boy 3000-US / 3800-US / 4000-US / 5000-US / 6000-US / 7000-US / 8000-US and 8000TL-US / 9000TL-US / 10000TL-US | | |
| ● Standard features ○ Optional features – Not available | | |
| Type designation | Sunny WebBox | Sunny WebBox with Bluetooth |




Communication with the inverters via RS485 or Bluetooth




Presentation of plant data with Sunny Matrix or Flashview




Free, automatic **visualization** of the measurement data in Sunny Portal




SD card slot for optional **memory expansion** and data transfer to a PC




Integrated web server enables **online remote data access** from any web-enabled PC in the world



Integrated FTP server for data transfer and storage on a PC



Quick set-up thanks to Sunny WebBox Assistant and the quick reference guide



Flexible, simultaneous data transfer to an FTP server and the Sunny Portal