SUNNY MATRIX





Durable

Flexible

- Large, weather-proof display for effective plant presentation
- Different sized for any application
- Customizable front panel label

Flexible display

 Integration of own texts and content

User-friendly

- Easy set-up and operation via the Web browser
- Automatic brightness control

SUNNY MATRIX

Attractive large-scale display

All representative plant data a glance: the robust large-format display Sunny Matrix visualizes yield, performance and CO_2 reduction of PV systems in large, luminous figures. Sunny Matrix derives the display data from the Sunny WebBox via the Ethernet interface: either through the local network or via the Internet – from any location in the world. If the solar power system is fitted with a Sunny SensorBox, the local recorded weather data will also be available for display. Various formats, no restriction on layout of text modules, and variable numbers of lines and characters are features which make the Sunny Matrix the ideal information board for solar power systems.



SUNNY MATRIX

Individual presentation of PV systems

If on the roof of the city hall or a school, a company's headquarters or production building: With a solar power system, the operator contributes an important share to protecting the environment. This commitment is impressive – with a Sunny Matrix from SMA.

The weatherproof large-format display presents all important data of your PV system such as current output, daily yield or the amount of CO_2 saved. In combination with the Sunny SensorBox even wind, temperature and irradiation data can be displayed.

Everything is individually packed: thanks to the freely editable front panel, the modern metal enclosure has a unique design as desired by the system operator. Simply send the template to SMA – our designers take care of all further steps. The advantage for you being a trade specialist: upon consultation it is also possible to integrate the contact data of your company. This increases your level of awareness in your sales region and guarantees subsequent orders.

Our customers have the choice

With three different enclosure sizes, Sunny Matrix offers the optimal solution for all demands. The (up to four) text displays can be positioned virtually anywhere. And as you desire, the displays have four, eight, twelve or sixteen characters. Especially important: the customer decides what to present. The content is freely editable and can be displayed as free text or automatic ticker text.

And after sunset, when the PV system is producing no electricity any more? Then the operator can rely on the automatic day/night switching. The current performance

Typical system design

Electricity generation

SUNNY MINI CENTRAL
Solar generator

System Monitoring

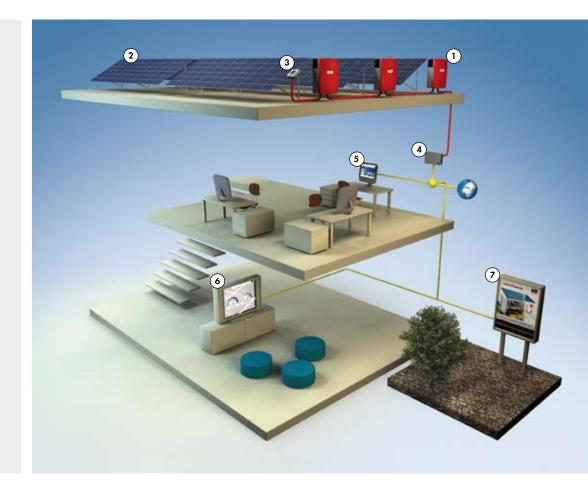
(3) SUNNY SENSORBOX

(4) SUNNY WEBBOX

- 5 SUNNY PORTAL
- 6 FLASHVIEW
- SUNNY MATRIX

RS485

Local network / Internet



is hidden and individual advertising messages and/or the system data of the day occur in neon signs. Therefore it is an attractive advertising medium for every company.

Innovative technology easy to operate

Sunny Matrix is connected to the PV system via the Sunny WebBox. To ensure this, the devices have an Ethernet connection. The data logger Sunny WebBox continually collects all data of the PV inverters and provides the Sunny Matrix with the necessary system values. The amount of CO₂ savings is automatically calculated. The advantage: once installed, the Sunny Matrix functions without any further effort by the system operator.

The integrated Web server of the Sunny Matrix enables an uncomplicated remote operation: The commissioning and

the display settings are done via the web interface. To do this, simply connect the PC via the Internet to the web server of the Sunny Matrix, enter the data - ready! Subsequent change requests are therefore easily to implement - and this without being on-site.

Perfect equipment - long lifetime

If in sunny and hot conditions or in cold and rainy conditions: the Sunny Matrix is prepared for any weather. The robust aluminum enclosure offers the electronics solid protection. Thus, the system operator can freely choose the location for his Sunny Matrix. At the same time, the high quality materials guarantee a very long lifetime. System operators, employees and interested visitors are exactly informed about the PV system yields, day by day.

Sunny Matrix
Ethernet
10/100 Mbit, RJ45
50
100 m
Sunny WebBox
100 V – 240 V AC, 50 / 60 Hz
Normally 20 W + 5 W per 4-character display module
1.3 A
-25 °C +60 °C
IP54
800 / 400 / 120, 800 / 800 / 120, 800 / 1000 / 120
15 kg, 20 kg, 25 kg
Outdoor
Wall mounting
51 mm
4, 8, 12 or 16 characters
max. 2 lines (400 mm model), up to 4 lines (800/1000 mm model)
Positioning to customer specification
According to customer specification
German, English, Italian, Spanish, French, Dutch, Portuguese
German, English, Italian, Spanish, French, Dutch, Portuguese
Integrated Web server (Internet browser)
5 years
www.SMA-Solar.com
Time, date, personal text, personal web text
Current output, daily yield, total yield, CO ₂ saving
Ambient temperature, module temperature, internal solar radiation, wind speed
Battery charge level
Sunny Matrix Admin Tool
·



Presentation of system performance with high public appeal for indoor or outdoor application



Automatic data synchronization with Sunny WebBox



Practically unlimited choice of position and length of text modules







Three different enclosure sizes



Display of wind, temperature and radiation data in combination with the Sunny SensorBox



Individual design of front panel label according to your specifications



Changing displays, freely editable and ticker text, automatic night switching

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