



Plant Monitoring  
**SUNNY MATRIX**  
 Quick Reference Guide - Creating a Slide Show



Matrix\_SEN103510 | 98-0040110 | Version 1.0

EN

**CONTACT**

If you have technical problems concerning our products, contact the SMA Serviceline. We require the following information in order to provide you with the necessary assistance:

- Type of inverter
- Type of communication interface between Sunny WebBox and the inverters
- Sunny Matrix firmware version
- Sunny Matrix serial number of the system board
- Sunny Matrix serial number

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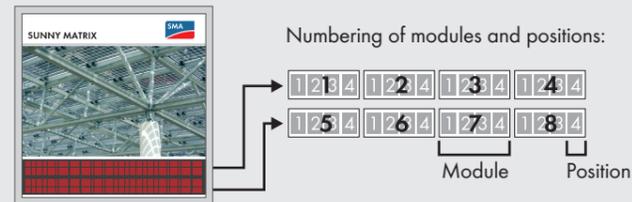
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**A** **DEFINING THE DISPLAY AREAS**

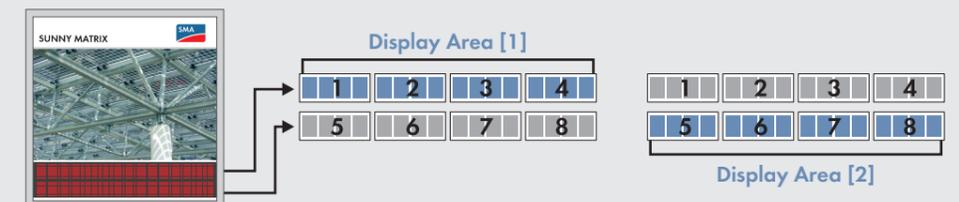
**Explanation of Display Areas:**

A display area is made up of modules on the Sunny Matrix. A module consists of 4 positions. The Sunny Matrix can display a character at each of these positions. You can compile display areas with different lengths of these modules and positions. The Sunny Matrix modules are always numbered from left to right, from top to bottom. The numbering is required for compiling the display areas.



Display areas are already predefined before shipping the Sunny Matrix and noted for you on the configuration sheet included in the delivery.

Normally every line with modules is predefined as a display area. The following example shows the normally predefined display areas of a Sunny Matrix with 2 lines, with 4 modules, each.



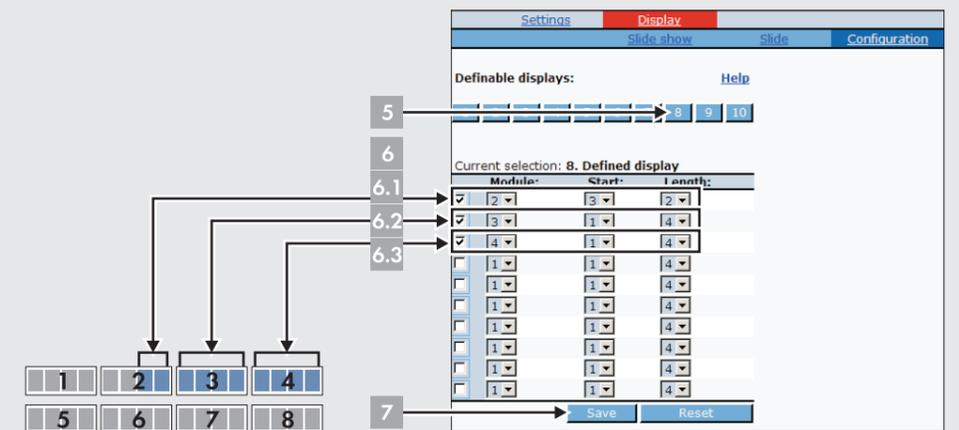
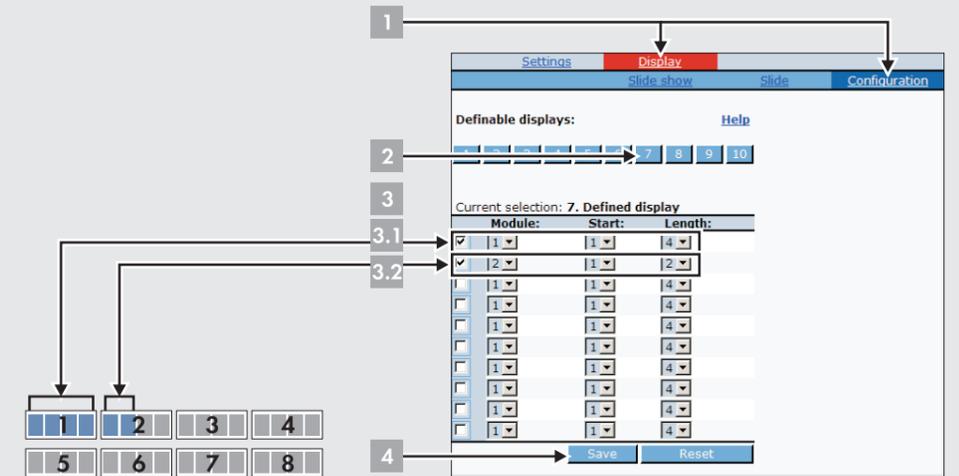
**Defining the display area (example):**

The following display areas are to be defined:

- A display area is to be saved as [7] and made up of the following modules: module 1 with positions 1 to 4, module 2 with positions 1 and 2.
- A display area is to be saved as [8] and made up of the following modules: module 2 with positions 3 to 4, module 3 with positions 1 to 4 module 4 with positions 1 to 4.



- 1 Select **Display > Configuration**.
- 2 In the "Definable displays" area select [7].
- 3 Defining the display area:
  - 3.1 Activate the first selection field and select the following settings in the drop-down lists: "Module" 1, "Start" 1, "Length" 4.
  - 3.2 Activate another selection field and select the following settings in the drop-down lists: "Module" 2, "Start" 1, "Length" 2.
- 4 Select [Save].
- 5 In the "Definable displays" area select [8].
- 6 Defining the display area:
  - 6.1 Activate the first selection field and select the following settings in the drop-down lists: "Module" 2, "Start" 3, "Length" 2.
  - 6.2 Activate another selection field and select the following settings in the drop-down lists: "Module" 3, "Start" 1, "Length" 4.
  - 6.3 Activate another selection field and select the following settings in the drop-down lists: "Module" 4, "Start" 1, "Length" 4.
- 7 Select [Save].



## B CREATING SLIDES

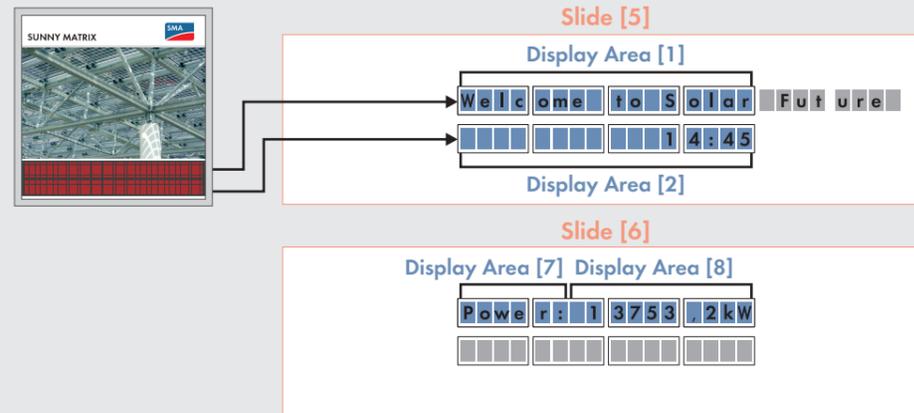
### Explanation of the Slides:

In a slide you determine the contents to be displayed by the Sunny Matrix. A slide is displayed by the Sunny Matrix as soon as it is next in the displaying order, just like a slide in a slide projector.

### Creating Slides (Example):

Two slides are to be created:

- A slide is to be saved as [5] and the following data is to be displayed:  
In the display area [1] the slide is to show the English sentence "Welcome to Solar Future". The sentence will automatically be displayed as running banner since the sentence is longer than the available 16 positions in the display area. Simultaneously, the time is to be displayed in the display area [2].
- A slide is to be saved as [6] and the following data is to be displayed:  
In the display area [7] the slide is to display the English word "Power". At the same time, the slide is to display the output of the PV plant in the display area [8].



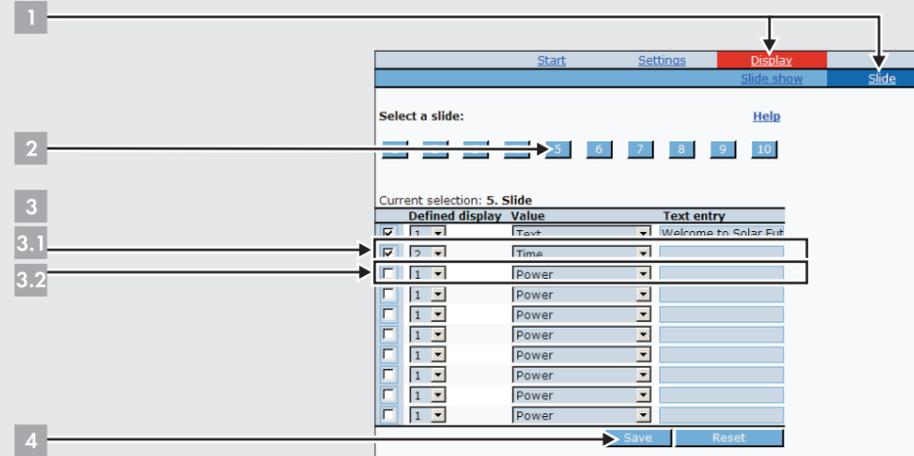
1 Select "Display > Slide".

2 In the area "Select a slide" select [5].

3 Creating the slide:

- 3.1 Activate the first selection field and select the following settings in the drop-down lists: "Defined display" 1, "Value" Text. Enter the following English sentence in the field "Text entry": **Welcome to Solar Future**.
- 3.2 Activate another selection field and select the following settings in the drop-down lists: "Defined display" 2, "Value" Time.

4 Select [Save].

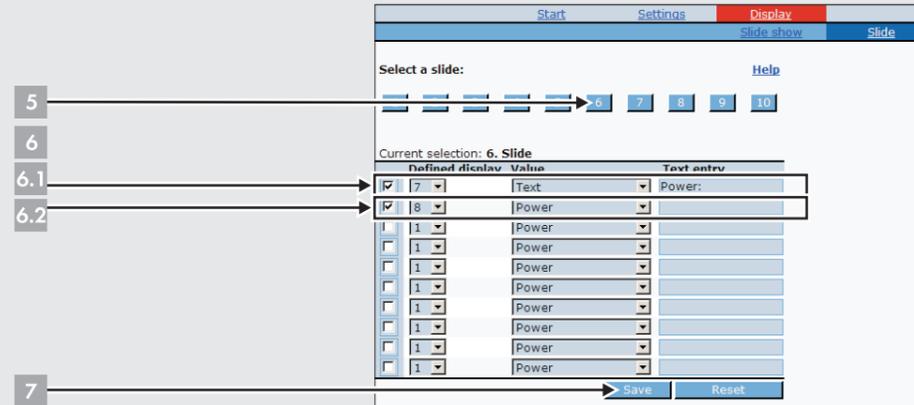


5 In the area "Select a slide" click on [6].

6 Creating the slide:

- 6.1 Activate the first selection field and select the following settings in the drop-down lists: "Defined display" 7, "Value" Text. Enter **Power:** in the field "Text entry".
- 6.2 Activate another selection field and select the following settings in the drop-down lists: "Defined display" 8, "Value" Power.

7 Select [Save].



## C CREATING SLIDE SHOW

### Explanation of the Slide Shows:

A slide show is a compilation of slides to be displayed. Every slide show has a start time. One slide show stops when another slide show is started.

A slide show is already predefined and noted for you on the configuration sheet before shipping the Sunny Matrix. You can see which slide show is selected if you go to "Display > Slide Show" in the "Slide Show Overview" area. Make sure that you have not assigned a start time twice.

You can display a preview of the current slide show if you go to "Start" [Preview]. Further information on the preview can be found in the user manual.

### Creating Slide Show (Example):

One slide show is to be created. This slide show is to be saved as [3] with the following settings:

- Start time is 2.00 pm.
- Slide show shall contain the slides [5] and [6].
- Slide [5] is to be displayed first for 120 seconds.
- Afterwards slide [6] is to be displayed for 30 seconds.

1 Select **Display > Slide Show**.

2 Select [3] in the "Select a slide show" area.

3 Creating a slide show:

- 3.1 Activate the first selection field. In the corresponding drop-down list "SLIDE" select 5. In the corresponding field "Duration in seconds" enter **120**.
- 3.2 Activate the second selection field. In the corresponding drop-down list "SLIDE" select 6. In the corresponding field "Duration in seconds" enter **30**.

4 Enter **14:00** in the field "Start time".

5 Enter **Welcome** in the field "Title".

6 Select [Save].

