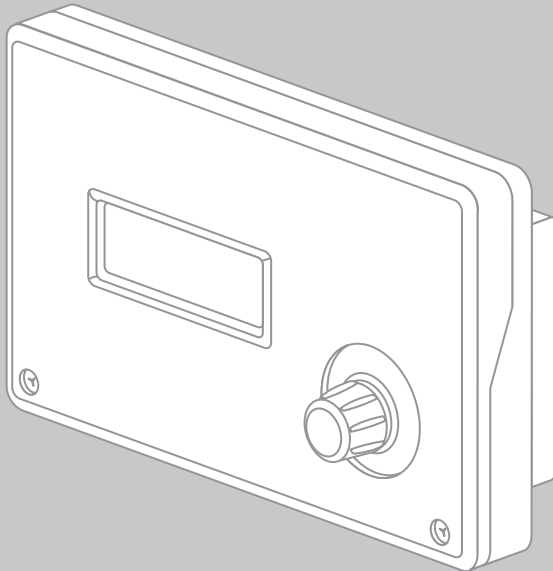


Accessories

SUNNY REMOTE CONTROL

Mounting Instructions



1 Information on this Document





Validity

This document is valid for device type SCR-20.

Target Group

This document is intended for end users.

Symbols

Symbol	Explanation
 DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury
 WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury
 CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury
NOTICE	Indicates a situation which, if not avoided, could result in property damage
	Information that is important for a specific topic or goal, but is not safety-relevant
<input type="checkbox"/>	Indicates an essential requirement for achieving a specific goal
<input checked="" type="checkbox"/>	Desired result
x	A problem that might occur

Nomenclature

Complete designation	Designation in this document
Sunny Island	Off-grid inverter
Sunny Backup	Backup inverter

2 Intended Use

The Sunny Remote Control is the external display for off-grid inverters/backup inverters without a display. You can configure and control the off-grid system/Sunny Backup system with the Sunny Remote Control.

The Sunny Remote Control is only suitable for indoor use.

Use the Sunny Remote Control with the data cable included in the delivery, or with a CAT5e-FTP patch cable with RJ45 plug. Take the maximum cable length of 20 m into consideration.

For safety reasons, it is not permitted to modify the product or install components that are not explicitly recommended or distributed by SMA Solar Technology AG for this product.

The enclosed documentation is an integral part of the product.

- Read and observe the documentation.
- Keep the documentation in a convenient place for future reference.

3 Scope of Delivery

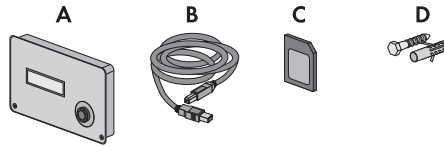


Figure 1: Scope of delivery

Position	Quantity	Designation
A	1	Sunny Remote Control
B	1	RJ45 data cable, 5 m
C	1	SD card
D	2	Fastening screw with wall plug

4 Type Label

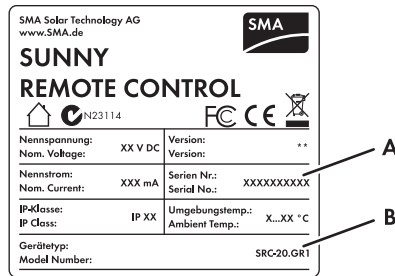


Figure 2: Layout of the type label

Position	Designation	Explanation
A	Serien Nr./Serial No.	Serial number of the display
B	Gerätetyp/Model Number	-

The information on the type label is intended to help you in the safe use of the display and will be needed when you contact the SMA Service Line. The type label must be permanently affixed to the display.

Symbols on the Type Label

Symbol	Designation	Explanation
	Indoor	The display is only suitable for indoor mounting.
	C-Tick	The display complies with the requirements of the applicable Australian EMC standards.
	FCC marking	The display complies with the requirements of the applicable FCC standards.
	CE marking	The display complies with the requirements of the applicable EC guidelines.
	WEEE marking	Do not dispose of the display together with the household waste but in accordance with the locally applicable regulations for electronic waste.

5 Mounting

5.1 Selecting the Mounting Location for the Sunny Remote Control

Requirements for the mounting location:

- The length of the data cable must not exceed 20 m.
- The mounting location must be suitable for the dimensions of the Sunny Remote Control. Allow sufficient room for installing a data cable and the SD card.
- The mounting location must be protected against dust, moisture, corrosive substances and vapours.
- Climatic conditions must be met (see Section 6 "Technical Data", page 9).
- The mounting location must be in a closed room.
- The mounting location should be at eye level. This makes it easy to read the display messages.

Tip: The mounting location can also be a cabinet that meets the requirements for a mounting location.

Dimensions for wall mounting:

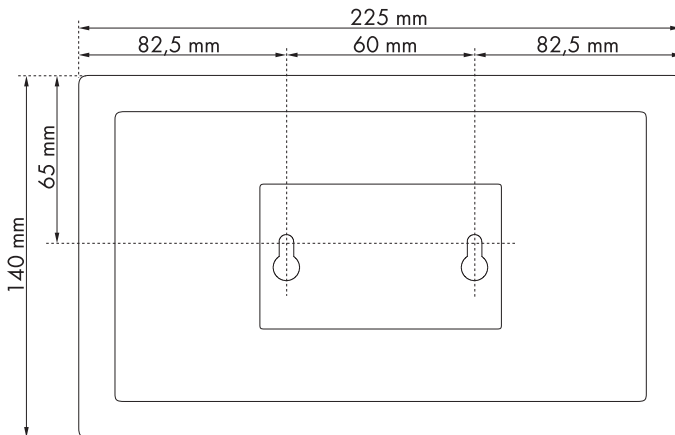


Figure 3: Dimensions of the wall mounting bracket and dimensions of the Sunny Remote Control

5.2 Mounting the Sunny Remote Control

1. Unscrew the mounting plate from the enclosure of the Sunny Remote Control.
2. Ensure that no cables are laid in the wall which could be damaged when drilling.
3. Mark the position of the drill holes using the mounting plate.
4. Drill the holes.
5. Place the wall plugs provided in the holes and screw in the screws. For this purpose, leave a 6 mm clearance between the screw head and the wall.
6. Screw the mounting plate onto the enclosure of the Sunny Remote Control.
7. Hang the Sunny Remote Control on the screws by means of the wall brackets of the mounting plate.
8. Connect the Sunny Remote Control to the off-grid inverter/backup inverter (see the installation manual of the off-grid inverter/the Sunny Backup system).

6 Technical Data

Features

DC supply voltage*	12 V
Rated current	200 mA
Communication	RS422
Data cable	CAT5e-FTP patch cable with RJ45 plug
Maximum cable length	20 m
Number of buttons	1
Display	4 x 20 characters
Data storage	SD card

* The connected off-grid inverter/backup inverter supplies the Sunny Remote Control via the data cable.

General Data

Width x height x depth	225 mm x 140 mm x 65 mm
Weight	0.5 kg
Ambient temperature	0°C ... +50°C
Degree of protection according to IEC 60529	IP20

7 Contact

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

- Device type of the display
- Serial number of the display
- Firmware version of the display
- Indicated error message

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Sonnenallee 1

34266 Niestetal, Germany

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SMA Service Line

Tel. +49 561 9522 399

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E-Mail: SunnyIsland.Service@SMA.de

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