



How much energy does my solar system supply?

How much energy does my solar system really supply? Is the board battery fully charged? Are the solar modules shaded or soiled or is something wrong? Is the capacity of the solar modules consistent with the specifications of the manufacturer, or does the system deliver completely different values? All these questions can be answered directly and conveniently with the LCD-Solar-Computer S.

Connection of the LCD-Solar-Computer S to the VOTRONIC Solar Charging Controllers, series SR and MPP, is very easy by means of the supplied plug-and-play control cable of 5 m length. After that, the desired information is provided immediately and comprehensively.



Matching to the VOTRONIC modular system (rack units 85 mm), the LCD-Solar-Computer S is executed as panel version. Appearance and mechanics are adapted to the other display modules. The small dimensions of the front panel and the particularly small mounting depth of only 22 mm allow an installation at almost any location.

PRODUCT FEATURES

- Compatible with the VOTRONIC Solar Controllers (SR and MPP), as well as VBCS Triple
- Large, clearly arranged display
- Very easy operation
- Illuminated, excellently readable display
- Small mounting depth 22 mm
- Retrofit at any time
- Option: Casing S
- Optional: Bluetooth Connector S-BC

LCD-Solar-Computer S

Energy and power measuring unit for the solar system



The measuring values are displayed at the push of a button. The display is illuminated (switchable). So, the legibility of the values is very well, even at a great distance and with all lighting conditions. The display informs of the instantaneous solar power (W), of the instantaneous battery voltage (V) and the instantaneous solar current (A). Thus, influences of the weather, partial shading or exposure to the sun can be realized quickly. A separate sun symbol informs of the operating state of the solar charging controller. It is flashing, if the solar current is limited due to a full battery. The generated solar power (Wh) and the charge (Ah) are calculated and can be displayed at the push of a button. The values can be used for own statistical purposes even over days and weeks. Both displayed values can be reset separately to "zero" at any time.

Our tip

With the Bluetooth Connector S-BC (see page 68/69) and the free Energy Monitor App all values can also be displayed on a mobile phone or tablet.

Measuring Devices and Displays LCD-Solar-Computer S



Unit Type	LCD-Solar-Computer S
Order No.	1250
Battery Voltage	12 and 24 V
Current Consumption (Illumination abswitchable)	3-30 mA
Measuring Range	-
Dimensions (HxWxD)	85x80x24 mm
Assembly Dimensions (HxWxD)	70x65x22 mm
Weight	55 g

Mark of Conformity: CE, E Test (EMV/automotive regulations)
Delivery Scope: fastening screws, manual, drilling jig, control cable of 5 m length
Recommended Accessories: Casing S Order No. 2024, Control Cable 5 m extension Order No. 2005

The following values are measured by microprocessor control, calculated and displayed:

Instantaneous Solar Power	0-999 W (Watts)	Charged Solar Capacity	0-9999 Ah (Ampere-hours)
Instantaneous Solar Current	0-60 A (Ampere)	Charged Solar Energy	0-9999 kWh (kilowatt-hours)
Instantaneous Voltage of the Solar Battery	7-32.0 V (Volts)		