

Solar Manager

Connect 2

- Monitors the energy production of the solar system
- Regulates connected consumers depending on the availability of solar power – regardless of the manufacturer
- Consumers are controlled via their IP interface, cloud connection, IP relay with potential-free contacts or switching adapter plugs
- Offers load management for charging stations, monitoring of the house connection and load shedding
- Clear app with consumption data, operating and configuration menu for the connected devices

The Solar Manager optimizes the self-consumption of solar power from your solar system through clever control of your consumers.

interfaces

- RS485 interface
- 2 digital inputs (e.g. for RSE signals, load shedding, etc.)
- 2 digital outputs (e.g. SG-Ready, 2-Step boiler circuits , etc.)
- 1 analog output 0-10V (e.g. thyristor controls)
- DIN rail mounting
- 24V power supply included

Easily optimize your own consumption

With a photovoltaic system, anyone can now become an electricity producer and produce clean electricity for their own use. The Solar Manager helps to use this electricity as optimally as possible and in this way maximizes the profit of your own photovoltaic system. The major consumers in a private household today are heating, hot water, household appliances and electric cars. These should make optimal use of the solar power produced . Unfortunately, these devices do not communicate with each other and do not help with optimization. The Solar Manager takes on this task.

Simple and fast

The visualization is updated every 10 seconds. This means that you can see the solar power currently generated and current consumption figures at any time. The rapid update rate also means that optimization works very precisely - exactly the amount of electricity that is generated is used, so that no electricity needs to be purchased as long as there is enough solar power available.

Attractive visualization

The maximum output of a PV system is known and the system generates more electricity when the sun is shining than when the sky is cloudy and more at midday than in the evening. But

how much electricity is it generating at the current time? And how much electricity is being used at the moment? Is there still electricity left to run the washing machine or am I then using expensive high-tariff electricity, so it is better to wait until the evening to benefit from the low tariff? Without attractive visualization, these questions are difficult to answer. The Solar Manager visualization shows the electricity generated by the PV system and the current consumption. This means that it is always clear whether there is a surplus and how large it is, or whether electricity is already being drawn from the grid. This sensitizes family members to optimize electricity consumption.

load management for electric car charging stations

The Solar Manager can also be used for dynamic load management of charging stations for electric cars. The system works independently of the manufacturer and is set up simply and easily. Various charging stations from different manufacturers can be integrated.

The Solar Manager can also accept various load shedding scenarios from the power plant according to their specifications through external input devices (via ripple control signal) and block charging stations if desired.

Solar Manager subscriptions

The Solar Manager offers a BASIC and a PREMIUM subscription for different purposes. The advantages and functions of both subscriptions are listed on the manufacturer's website. When purchasing a Solar Manager, the customer can use the functions of the PREMIUM subscription for the first three months and then the BASIC subscription for nine months free of charge. The annual subscription fees of CHF 44 (BASIC, including VAT) or CHF 66 (PREMIUM, including VAT) are due 365 days after the registration date for the coming year. This includes, among other things, the operation of the app and the cloud in the background, data storage, the continuous development of the functions, the integration of new devices and a yield forecast. The Solar Manager cannot be used without a subscription.

heat pump

The Solar Manager can control modern heat pumps directly. When the weather is nice, the house/apartment is heated 1°C warmer than usual, for example, to save energy at night. The interface also allows data points to be read from the heat pump and the optimization to be specifically adjusted.

storage systems

The Solar Manager can store excess solar power in a battery. If no battery is in use, the Solar Manager can recommend the optimal battery size for your household. The Solar Manager must be in use for at least one year.

Product video:

<https://youtu.be/doh8gtg5vs4>

Technical specifications

- Article number: SMC2_KIT
- EAN: 7629999189928
- Country of origin: China
- Customs tariff number: 8471.5000
- Packaging size: 100x95x75mm (WxHxD)
- Weight: 269g