

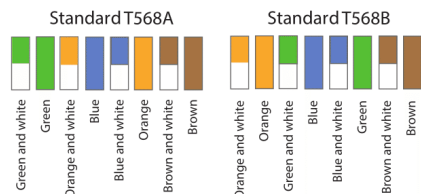
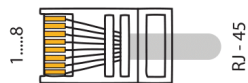
6. Step

Connecting to a LAN

The unit is connected to a LAN (to a switch) straight UTP cable, connect directly to a PC requires a crossover UTP cable. UTP cables for connection to the network can be purchased in stores with computers. Correct function of the network is recognized if the green light "LINK" lits.

Straight UTP cable = both ends of the same (T568A)

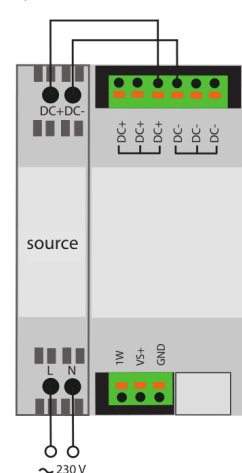
Crossover UTP cable = T568A + T568B



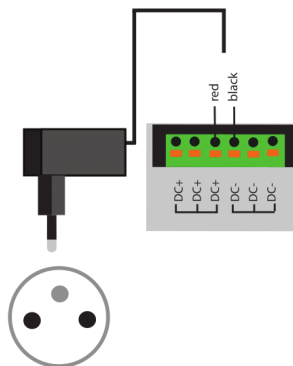
7. Step

Connecting the power supply

a) Source for DIN rail



b) The socket adapter



8. Step

First Run

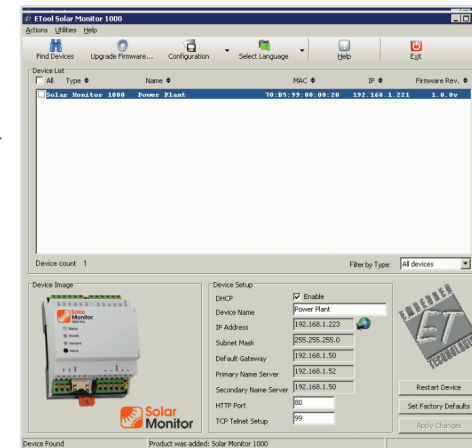
After powering the green status LED diode lights up. At the same time the green LED on the network connector lights up and simultaneously begins to flash orange.

By default, the unit has enabled DHCP client mode. IP address is obtained automatically from the DHCP server on the local network (if available).

In case you do not have a DHCP server in your network, connect the unit to the power supply and when the green LED Status lights, press the Setup button 3 times. After a few seconds, you can connect to a fixed IP address 192.168.1.99.

For connecting the unit, use a web browser and enter the address "http://192.168.1.99" or the address from the DHCP.

For searching units on the network can be used the Etool application (download <http://www.solarmonitor.cz> in the Download section). This application finds your unit regardless of the setting IP address.



9. Step

Detection of inverters

After opening a web browser open the System Settings page/ Measuring & RS485. Here we choose protocol according to the interface and choose baud rate according to the type of connected inverters.

If we have two branches of inverters connected, select the second interface and also fill required information.

RS485 INTERFACE SETTINGS (A, B)

Protocol Type: AEG
Baud Rate: 9600 - Bd
Inverter Warnings:
Device count: 0

RS485 INTERFACE SETTINGS (Y, Z)

Protocol Type: ----

Detect Attached Devices

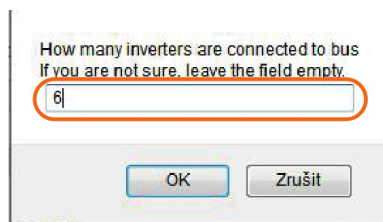
RS232 INTERFACE SETTINGS

Protocol Type: ----

NETWORK INTERFACE SETTINGS

Protocol Type: ----

After pressing "Detect Attached Devices" enter the number of inverters connected to the first branch and consequently the number of inverters on the second branch. Auto detection can take up to several minutes depending on the type and the number of connected inverters.

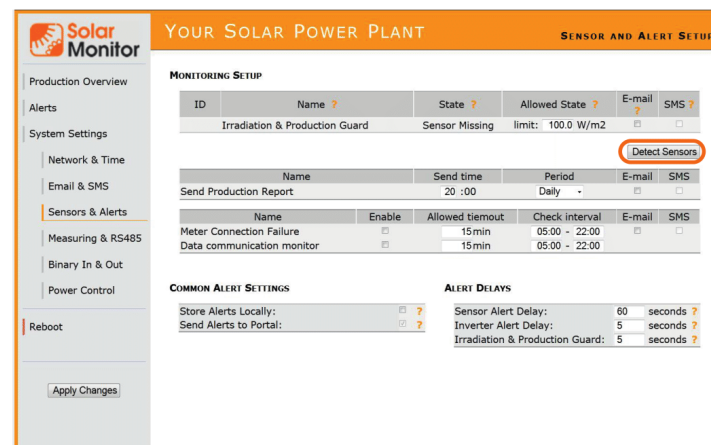


10. Step

Detection of sensors

Open the menu System Settings / Sensors & Alerts.

To retrieve the sensors you need to click on the "Detect Sensors" and wait 5-7 seconds. If the sensors fail to get detect, try to gradually connect different parts of the line of the sensors to detect the probable error in the cabling.



11. Step

Setting the energy

Counting the total energy production can be done in two ways listed below on the page the System Settings / Measuring & RS485.

a) from inverters

In the field "Pulse count per 1kWh" is filled 0 and subsequently the total energy is the sum total kwh of all inverters

b) from electrometer (more accurate)

It should be connected to the output SO of the electrometer and there adjust the number of pulses which electrometer generates to 1 kWh. This constant is defined by a producer of the electrometer should be to be filed in the field Pulse count per 1 kWh". It should be also filled the current meter reading in the field "Energy Correction".

Fill the field "Nominal Plant Power"

ELECTRICITY MEASURING SETUP

Total energy is cumulated from electrometer
Pulse count per 1 kWh 1000
Nominal Plant Power [kWp] 0
Energy Correction [kWh] 0
Pay-off Price [Kc/MWh] 0
Currency Kc

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