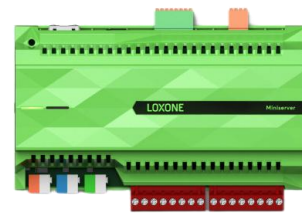*Tech Document*

How to connect the Solinteg Inverter to Loxone Miniserver?

2024.08

1. Introduction

Solinteg hybrid inverter now is compatible with Loxone Miniserver. By configuring correctly, you can achieve various custom automation scenarios, making your solar energy system more intelligent and personalized. This document provides a simple guide on how to connect the Solinteg inverter to the Miniserver and how to proceed with the configuration. The content of the document is for guidance purposes only, and subject to change without prior notice.

2. Requirements

Inverter: Solinteg IntegM Series Hybrid Inverter (MHS3-8K, MHT4-20K, MHT25-50K)
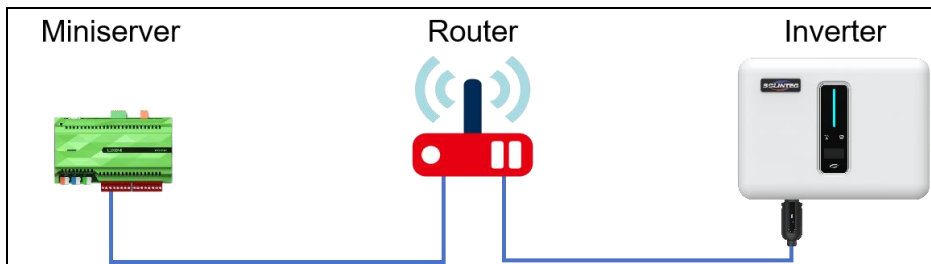**Miniserver:** Miniserver, Miniserver Compact, Miniserver Go (Either one of them)
Software: Loxone and Loxone Config (Please download them from Loxone official website.)
**Documents:** Solinteg Modbus Register Table (Please contact Solinteg Academy at
academy@solinteg.com for document application)

3. Wire connection

As the communication protocol between the Solinteg inverter and the Miniserver is Modbus TCP, please use the LAN module or DuoCom(　WiFi/LAN 2 in 1) to connect the inverter to the network, as seen below.

Note: Please connect the network cable to the RJ45 port of the LAN/DuoCom module, as shown in the following pictures.
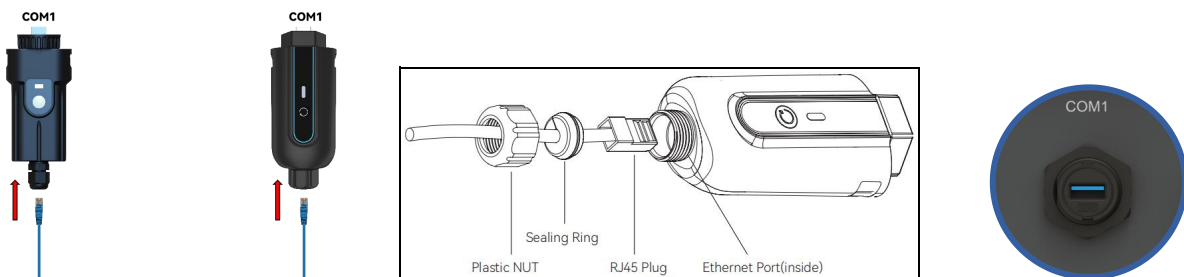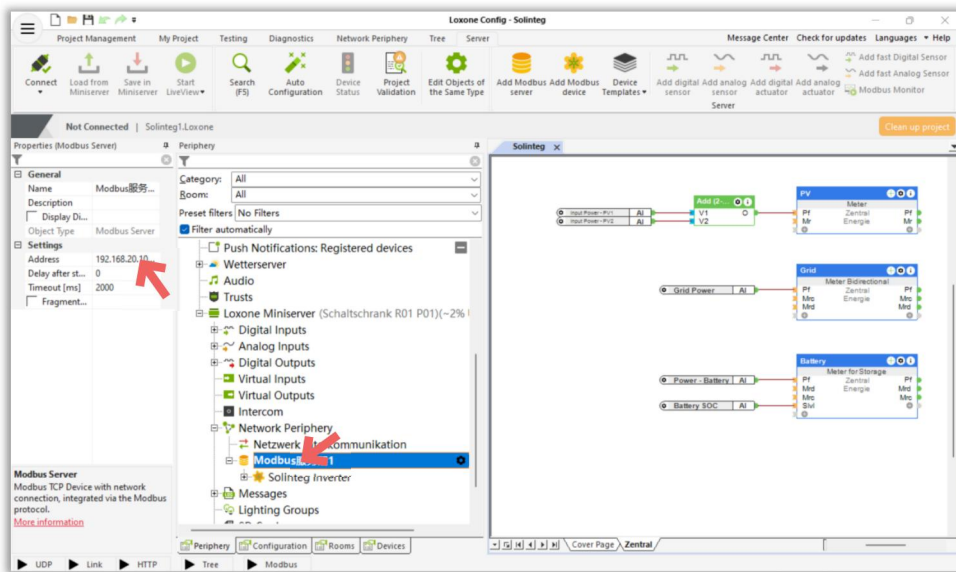

4. Loxone Configuration

Step1: Please open the 'Loxone Config' tool and connect your miniserver. (For how to connect the miniserver please refer to the miniserver user manual or ask for help from Loxone.)
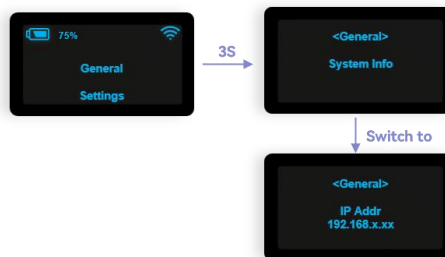

LoxoneConfig.exe

Step2: Download the Loxone template file of the Solinteg inverter from Loxone library.

**Step3:** Open the template file, seen as below:

Step4: Click the Modbus server and enter the IP address of the inverter, seen as the above picture. You can get the inverter IP address by IP tools or check it on the inverter screen, please refer to the following picture.

Note: If you cannot get the right IP address of the inverter, you can use the IP tools to distribute a fixed IP address to the inverter.
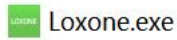
Step5: Click the Solinteg Inverter and enter the modbus inverter address 255, seen as below. It is fixed to 255.
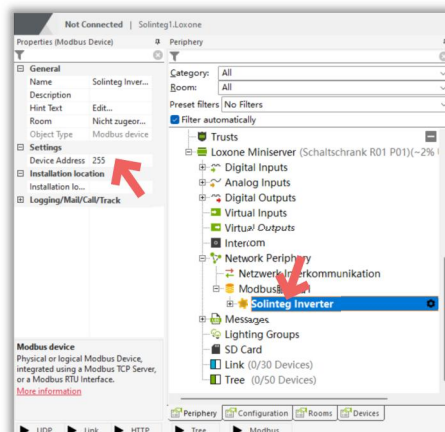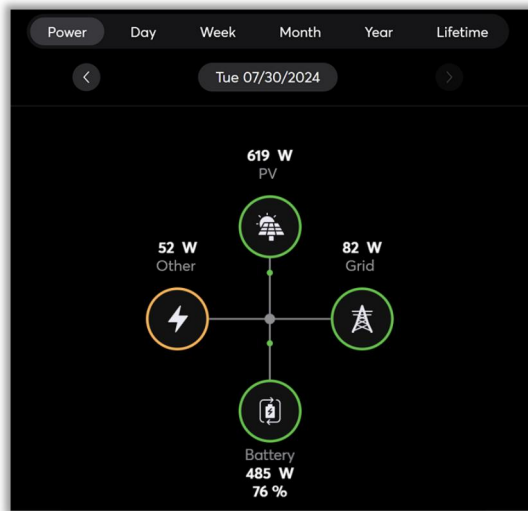
Step 6: Save the template to your miniserver, and then you can open the Loxone to check.

Open Loxone:

Loxone.exe

Template effect:

Tips:

You can also edit the Loxone config file according to your preference, such as add the voltage, current or other parameters to your monitor. Just pull the sensors into the editor or add more sensors as you like, and edit the parameters according to the Solinteg Modbus protocol, seen as below.