

How to connect Sanxing S34U18 energy meter with Reduxi controller

The Sanxing S34U18 is very similar to the Iskraemeco AM550. Connect it to the Reduxi Controller with the Reduxi P1 converter.

🔗 Sanxing S34U18 · Reduxi P1 converter · Reduxi Controller

🔌 P1 port with RJ12 cable 📡 DLMS-push



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1 Technical documentation

The Sanxing S34U18 is a three-phase electricity meter from Ningbo Sanxing Smart Electric. It is listed

push

DLMS-

connector.

- [E.ON Hungary: P1 port interface description](#) – Lists the Sanxing SX631 S34U18 and the P1 port (RJ12 connector)
- [ČEZ Distribuce: user manual S34U18](#) – User manual of the meter (Czech)

2 Required equipment

- ☐ Sanxing S34U18 energy meter
- ☐ Reduxi P1 converter with the RJ12 cable (the cable is included in the converter package)
- ☐ Reduxi Controller
- ☐ Laptop or tablet with internet access to configure the device in Reduxi

3 Connect the meter to Reduxi

The energy meter Sanxing S34U18 is very similar to Iskraemeco AM550. Therefore, please follow the following articles:

- [Connect P1 converter to Reduxi](#)
- [How to add energy meter Iskraemeco AM550](#)
- [Reduxi Converter for Iskraemeco AM550 meter](#)



Note

The Iskraemeco AM550 article is marked obsolete there. It refers to the P1 converter article.

4 Log in to the Reduxi web interface

You can open the Reduxi web interface in two ways:



REMOTE

Reduxi app

Via tunnel connection · works from anywhere



Web browser

In the local network · via IP address or `reduxi.local`

4.1 Via the Reduxi app

1 Open the app and log in

Launch the Reduxi app on your smartphone or tablet and log in with your credentials.

2 Open Reduxi devices

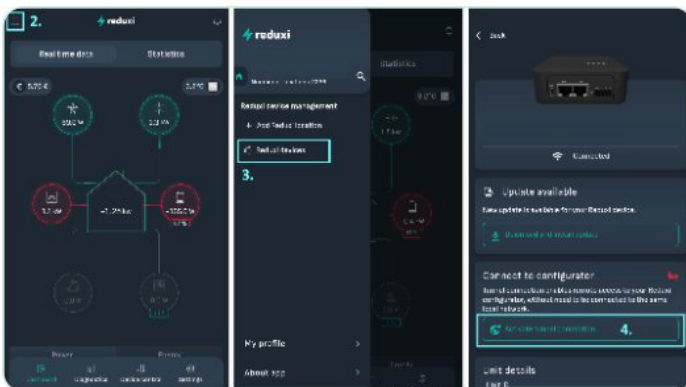
Tap the menu icon (three lines, top left) and select **Reduxi devices**.

3 Activate the tunnel connection

Switch on the tunnel connection and wait a moment until it is active.

4 Open the configurator

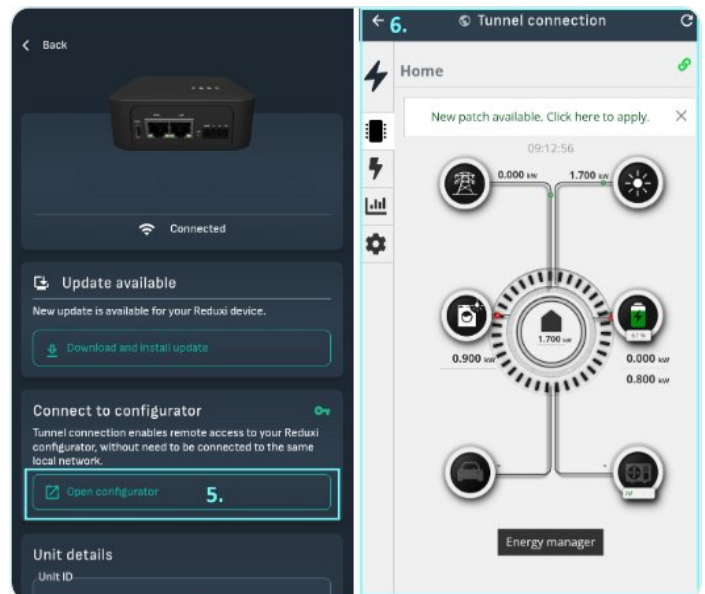
Tap **Open configurator**. The Reduxi web interface opens.



Activate the tunnel connection (step 3)

Text description of this image

Screenshot of three Reduxi mobile app screens side by side, with cyan boxes and number badges 2 to 4. Left screen (dashboard, dark theme): menu icon at top left marked with a box and badge 2; 'reduxi' logo; tabs 'Real time data' (active) and 'Statistics'; price 5.79



Open configurator (step 4)

2. Text description of this image

4.2 Via a web browser

1 Open the login page

On a device in the same network, open a web browser and enter the controller's IP address or <http://reduxi.local>. You can find the controller's IP address in your router's device list or in the Reduxi app under **Reduxi devices**.

2

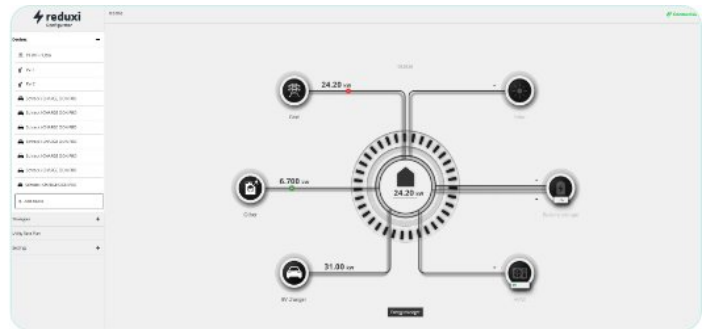
Log in

Username: **admin** · Password: **admin** (factory default)



Reduxi Controller login screen

Text description of this image



Controller web interface after login

2. Text description of this image

Screenshot of the Reduxi Configurator web interface

5 Add the Sanxing S34U18 to Reduxi

5.1 Basic settings

Log in to the [Reduxi Configurator](#) (see [Point 4](#)) and click **+ Add device**. Enter the basic settings:

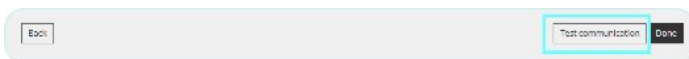
- Device type: **Energy meter**
- Type: **Sanxing S34U18**
- Name: a name of your choice

5.2 Communication settings

Select the communication channel and enter the device configuration as described in the articles in [Point 3](#).

5.3 Test communication

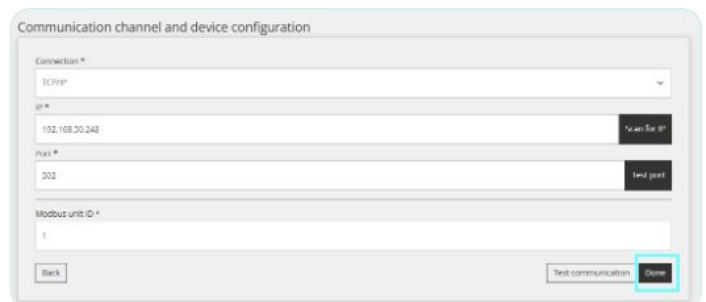
Click **Test communication** at the bottom of the wizard. It reads the Sanxing S34U18 once and saves nothing. If the test succeeds, click **Done**: only **Done** creates the device.



The **Test communication** button

Text description of this image

Screenshot of the bottom button bar of a Reduxi Configurator page. Left: button 'Back'. Right: button 'Test communication' (marked with a cyan box) and dark button 'Done'.



The **Done** button

2. Text description of this image

6 Check the readings

6.1 Last measurements

After communication is established, check the values under **Devices** in the Reduxi Configurator as an additional test.

6.2 Use the meter data in Reduxi

To achieve maximum flexibility and energy cost reduction with dynamic prices and dynamic tariffs, define a strategy as described in [Strategies for Reduxi controller](#).

✓ Summary

Preparation (Points 1–2): Prepare the S34U18 meter, the Reduxi P1 converter with RJ12 cable, the Reduxi Controller and a laptop.

Sanxing S34U18 (Point 3): Follow the articles for the Iskraemeco AM550 and the P1 converter. The meters are very similar.

		Energy
meter	Sanxing S34U18	

Go live (Point 6): Check the last measurements and use the meter data in your strategy.

→ Common issues

ISSUE	SOLUTION
Test communication fails	Check the physical connection to the P1 port first. Then follow the troubleshooting steps in the P1 converter article.
Open configurator does not open or stays empty	The tunnel is not active yet. Wait about 30 seconds and check that the controller is online.
Login with <code>admin</code> is rejected	The password was changed during installation. Ask the installer. The Reduxi account password does not work here.
<code>reduxi.local</code> does not load	Your device is not in the same network as the controller. Use the IP address or the tunnel connection.
Communication test fails, device shows offline	Check reachability, IP address / port / unit ID, and that the protocol is enabled on the device.

→ Related articles

Matching guides from the Reduxi knowledge base:



Connect P1 converter to Reduxi

Connect the Reduxi P1 converter to grid meters and the Reduxi Controller



Device setup guides

All step-by-step guides for connecting devices to the Reduxi Controller



Strategies for the Reduxi Controller

Energy manager and other strategies explained