

How to connect Kaco Blueplanet battery with Reduxi controller

Add a KACO blueplanet battery to the Reduxi Controller.

🔗 KACO blueplanet battery · Reduxi Controller

🔧 Modbus unit ID: normally 1



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1 Technical documentation

KACO publishes manuals and technical documents in its download center:

- **KACO new energy: Downloads** – Manufacturer download center with manuals, technical papers and certificates.

2 Required equipment

- ☐ KACO blueplanet battery system
- ☐ Reduxi Controller
- ☐ Laptop or tablet with internet access to configure the device in Reduxi

3 Device configuration (KACO blueplanet)

3.1 Connect and configure the device

Find the instructions on the manufacturer web page: <https://kaco-newenergy.com/downloads>

4 Log in to the Reduxi web interface

You can open the Reduxi web interface in two ways:



Reduxi app

Via tunnel connection · works from anywhere

REMOTE



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

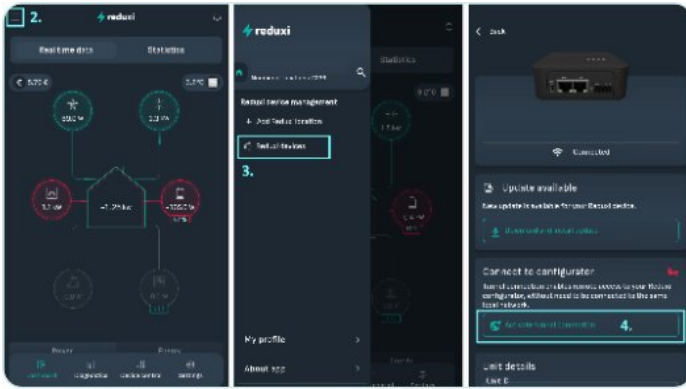
Tap the menu icon (three lines, top left) and select **Reduxi devices**.

3 Activate the tunnel connection

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

4 Open the configurator

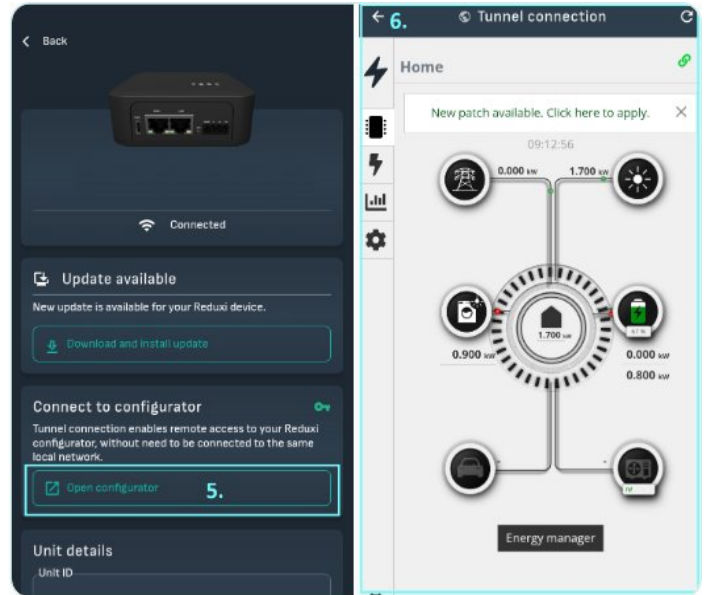
Tap **Open configurator**. The Reduxi web interface opens.



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)

Text description of this image

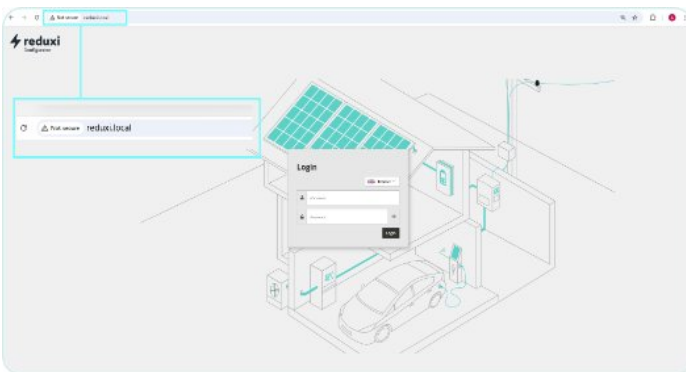
4.2 Via a web browser

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**.

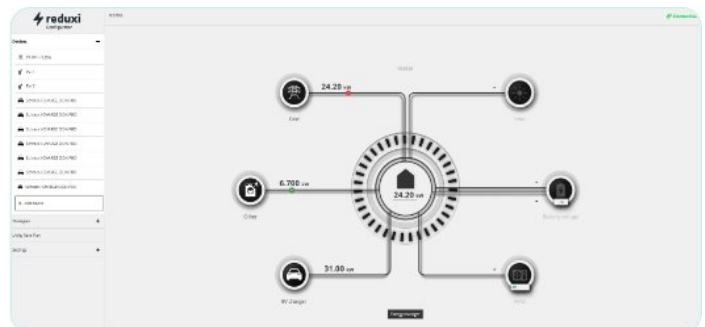
2 Log in

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 device to Reduxi

5.1 Basic settings

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

5.2 Communication settings

Select the communication channel and enter the device configuration:

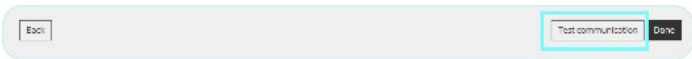
PARAMETER	VALUE
Communication channel	Select the channel used for the device
Modbus unit ID	Normally 1

5.3 Advanced settings

Enter and choose the advanced settings.

5.4 Test communication

Click **Test communication** at the bottom of the wizard. It reads the KACO blueplanet battery 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

Communication channel and device configuration

6 Check the readings

6.1 Last measurements

After communication is established, check the values of the device under **Devices** in the Reduxi Configurator.

6.2 Enable control by Reduxi

Set the **control type** to **AUTO**. Only then do strategy commands affect the device. To define a strategy, see [Strategies for Reduxi controller](#).

✓ Summary

Preparation (Points 1–2): Find the KACO documents and prepare the equipment.

KACO blueplanet (Point 3): Connect and configure the device following the KACO instructions.

Add to Reduxi (Points 4–5): Log in to the Reduxi Configurator, add the device with Modbus unit ID 1 and test communication.

Go live (Point 6): Check the readings and set the control type to AUTO.

→ Common issues

ISSUE	SOLUTION
The unit ID is wrong	Check the Modbus unit ID. Normally 1 is used (Point 5.2).
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 admin is rejected	The password was changed during installation. Ask the installer. The Reduxi account password does not work here.
reduxi.local 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:



KACO new energy: Downloads

Manuals and technical documents from the manufacturer.



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