

Reduxi with Metron EVSEs

Reduxi and Metron EVSEs integration enables DLM, protects installations and optimizes costs under dynamic pricing strategies.

🔌 Metron EVSE · Reduxi Controller

🌐 Wi-Fi or LAN · OCPP 1.6 JSON

🔌 OCPP backend port 80



Metron Standard EV charging station

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1 Technical documentation

Manufacturer document for the Metron charger:

- [Metron charging station Wi-Fi quick installation guide \(rev. 10\)](#) – How to connect the charger to the local network.

2 Required equipment

You need:

- ☐ Reduxi Controller
- ☐ Metron EVSE with Wi-Fi or LAN connection
- ☐ Smartphone or laptop to open the **Metron Charge Control** application via the access point of the EVSE
- ☐ Local Wi-Fi or LAN network for the EVSE and the Reduxi Controller
- ☐ Laptop or tablet with internet access to configure the device in Reduxi

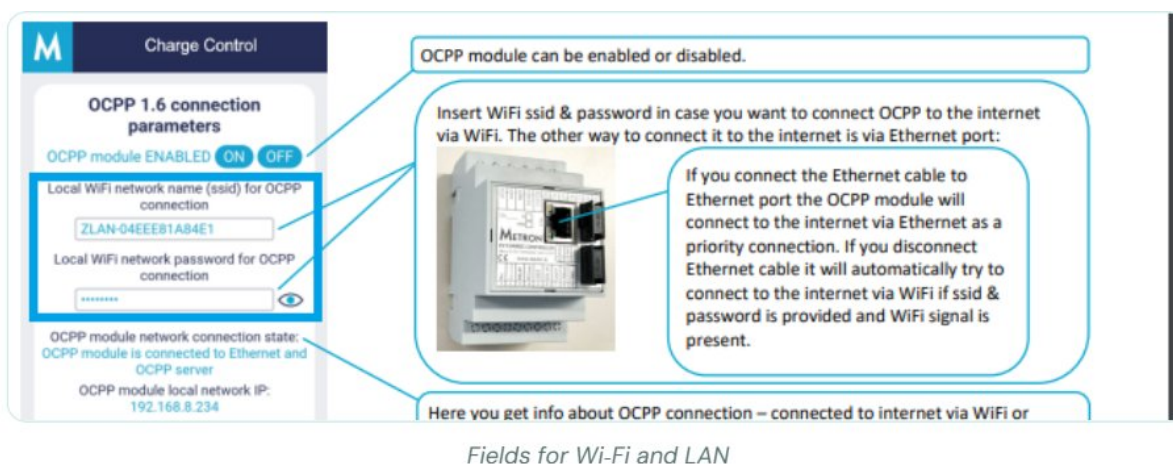
3 Connect the Metron charger to the local network

The Metron EV charger connects to Wi-Fi or to a local LAN network.

3.1 Connection to Wi-Fi or LAN

Follow the quick installation guide: <https://eauto.si/metron-shop/wp-content/uploads/Metron-CHARGING-STATION-WiFi-QUICK-INSTALLATION-GUIDE-rev.10.pdf>

- LAN: the IP address is defined by DHCP, or you set a static IP manually.
- Wi-Fi: write the SSID and the password of the Wi-Fi network to the Metron EVSE.
- LAN always has priority over Wi-Fi.



3.2 Open the Metron Charge Control application

You reach the **Metron Charge Control** application via the **access point of the EVSE**. Use it to configure the Metron EVSE.

PARAMETER	VALUE
Access point SSID	METRON Portable 1 or METRON Station 1
Password	12345678

4 OCPP settings in the Metron EVSE

Configure the OCPP settings exactly as shown below. The Metron EVSE is the OCPP client. The Reduxi Controller is the server.

PARAMETER	VALUE
Station unique identifier	/ocpp/1.6/json/Station_unique_ID
OCPP backend hostname	ws://IP_Reduxi
OCPP backend port	80

Station unique identifier (UUID, ULID, etc)
(e.g. Metron007893545687)

/ocpp/1.6/json/Station_unique_ID

OCPP backend hostname
(e.g. ws://ocpp.server.com for regular connection,
wss://ocpp.server.com for secure connection if
supported by the OCPP backend)

ws://IP_Reduxi

OCPP backend port
(e.g. 80 for regular connection, 443 for secure
connection if supported by the OCPP backend)

80

OCPP authentication key/password
(e.g. m9456345 or leave this field blank if the
key/password is not supported by the OCPP
backend)

5 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 reduxि.local

5.1 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

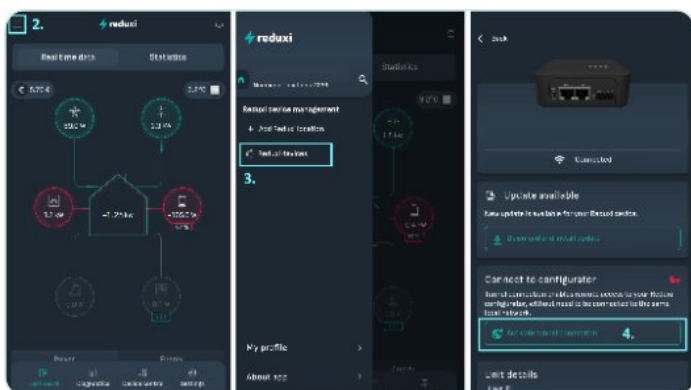
Tap the menu icon (three lines, top left) and select **Reduxi devices**.

3 Activate the tunnel connection

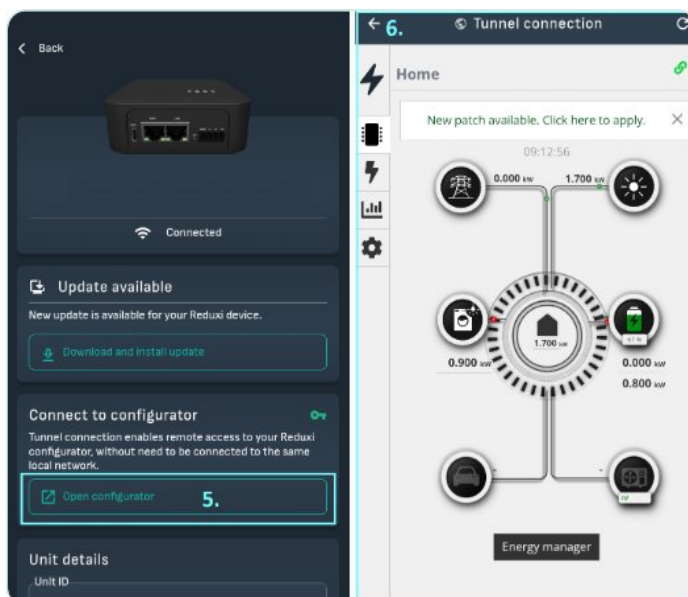
Switch on the tunnel connection and wait a moment until it is active.

4 Open the configurator

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



Activate the tunnel connection (step 3)



Open configurator (step 4)

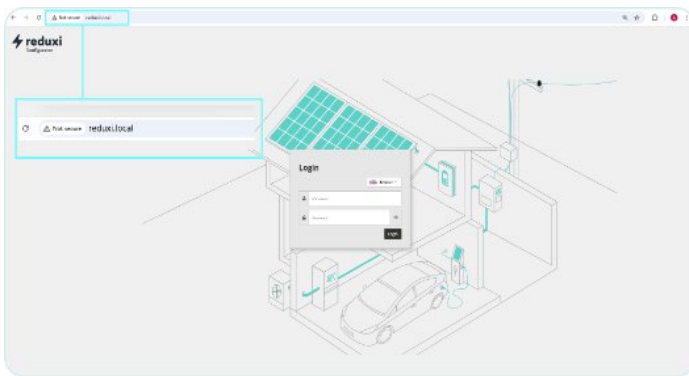
5.2 Via a web browser

1 Open the login page

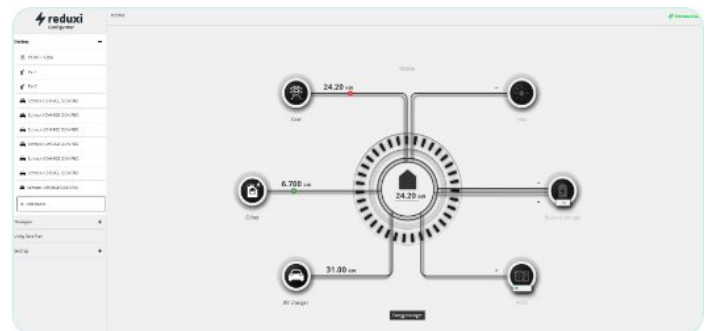
On a device in the same network, open a web browser and enter the controller's IP address or `http://reduxi.local`. You can find the controller's IP address in your router's device list or in the Reduxi app under **Reduxi devices**.

2 Log in

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



Reduxi Controller login screen



Controller web interface after login

6 Add the Metron EVSE to Reduxi

Create the OCPP communication between the Metron EVSE and the Reduxi Controller.

6.1 Basic settings

Log in to the local [Reduxi Configurator](#) (see [Point 5](#)) and click **+ Add device**.

reduxi[⚡]

CONFIGURATOR

Devices



Strategies



+ Add device

+ Add strategy

Settings

Profile

*The **Add device** button*

In the first step, select the basic settings:

- Device type: EV charger
- Type: OCPP 1.6 - JSON
- Name: a name of your choice

1

2

3

Basic settings

Communication channel

Advanced settings

Basic settings

Device type *

Type *

Name *

Back

Next

Basic settings: device type, type and name

6.2 Communication settings

The second step sets the communication channel for OCPP. Copy the **Device identifier** (Station unique identifier) from the **Metron Charge Control** application into the first field. With OCPP JSON 1.6 the Reduxi Controller generates the server OCPP URL. You find the URL in the communication channel. Enter it in the Metron EVSE as described in [Point 4](#).

PARAMETER	VALUE
Device identifier	Station unique identifier from the Metron Charge Control application. Example: 1234
Server OCPP URL	Generated by the Reduxi Controller. Example: ws://10.150.120/ocpp/1.6/json/

Communication channel and device configuration

Device identifier *	1234
Connector *	1
Charger type *	AC
Energy counter	Default
Allocate power to EVSE when EV is not connected to EVSE	Default
Per phase max. current *	Auto detect from EVSE
Per phase max. current manual override	32
In effect when manual override is selected	
Forward communication to backend OCPP server	ws://app.eu.tridenstechnology.com/ev-charge/gw-comm/glcharge
Forward measurements to backend OCPP server once every	30 seconds
Allow new charging session	Forward to backend OCPP server
Controller OCPP JSON 1.6 URL	ws://10.150.1.120/ocpp/1.6/json 
Back	Test communication Next

Communication settings: Device identifier and OCPP URL

6.3 Test communication

Click **Test communication** at the lower right, below the communication channel fields. It checks the OCPP communication and saves nothing. If the test succeeds, click **Done**: only **Done** creates the device.

1 Basic settings 2 Communication channel 3 Advanced settings

Communication channel and device configuration

Device identifier *

my_station_ID1

Connector *

1

Charger type *

AC

Energy counter

Default

Allocate power to EVSE when EV is not connected to EVSE

Default

Per phase max. current *

Manual override

Per phase max. current manual override

32

In effect when manual override is selected

Forward communication to backend OCPP server

Allow new charging session

Always

Controller OCPP JSON 1.6 URL

ws://192.168.1.200/ocpp/1.6/json

Back Test communication Test

The **Test communication** button

The test returns one of two results:



Case 1: Communication is working properly

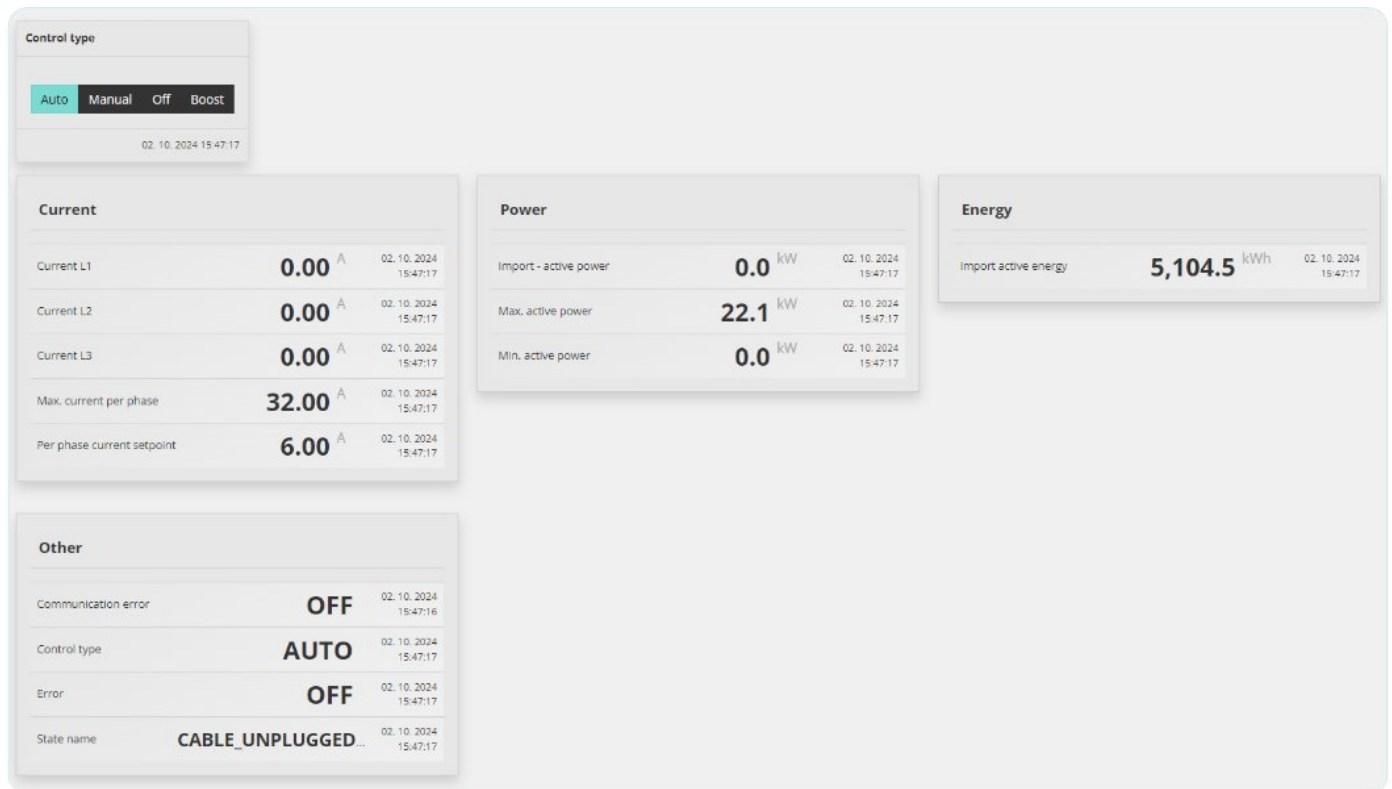


Case 2: No device with OCPP 1.6 communication is found

7 Check the readings

7.1 Last measurements

After communication is established, check the readings of the new device under **Devices – Last measurements** in the [Reduxi Configurator](#).



Last measurements of the Metron EVSE

7.2 Enable control by Reduxi

For advanced EVSE control, integrate the device into the Reduxi strategy. Under **Devices – Metron EVSE** in the [Reduxi Configurator](#), set the **control type** to **AUTO**. Only then do strategy commands affect the EVSE.

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

After the device is added, you can also monitor and control it in the [Reduxi application](#).

✓ Summary

Preparation (Points 1–2): Open the quick installation guide and collect the equipment.

Metron EVSE (Points 3–4): Connect the EVSE to Wi-Fi or LAN, then set the OCPP hostname, port and station identifier in the Metron Charge Control application.

Add to Reduxi (Points 5–6): Log in, add an OCPP 1.6 – JSON device with the station identifier as Device identifier, run Test communication and click Done.

Go live (Point 7): Check the last measurements and set the control type to AUTO.

→ Common issues

ISSUE	SOLUTION
Test communication: no device with OCPP 1.6 communication is found	Check the OCPP settings in the Metron EVSE: hostname, port 80 and station identifier (Point 4). The EVSE and the controller must be in the same network (Point 3).
EVSE connects over LAN instead of Wi-Fi	LAN always has priority over Wi-Fi (Point 3.1).
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:



Metron quick installation guide

How to connect the Metron charging station to the local network.



Device setup guides

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



List of supported devices

All devices that work with the Reduxi Controller



Strategies for the Reduxi Controller

Energy manager and other strategies explained