LinkRay – Quick Start Guide – ABB Terra

CE
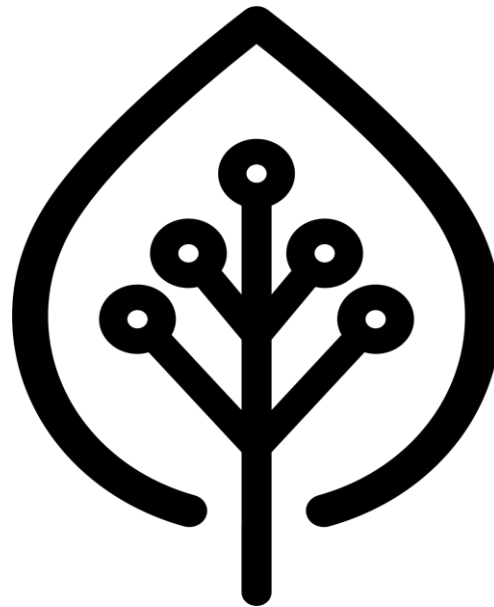
Versinetic

Remote Access

← → C ⌂ 🔒 remote.versinetic.com/my-devices/login 🔑 ☆ ● ⬜ ⬇ ⋮

Versinetic Remote Access
versatile ev charging solutions

Username: somebody@somewhere.com

Password: ••••••••••••••••••

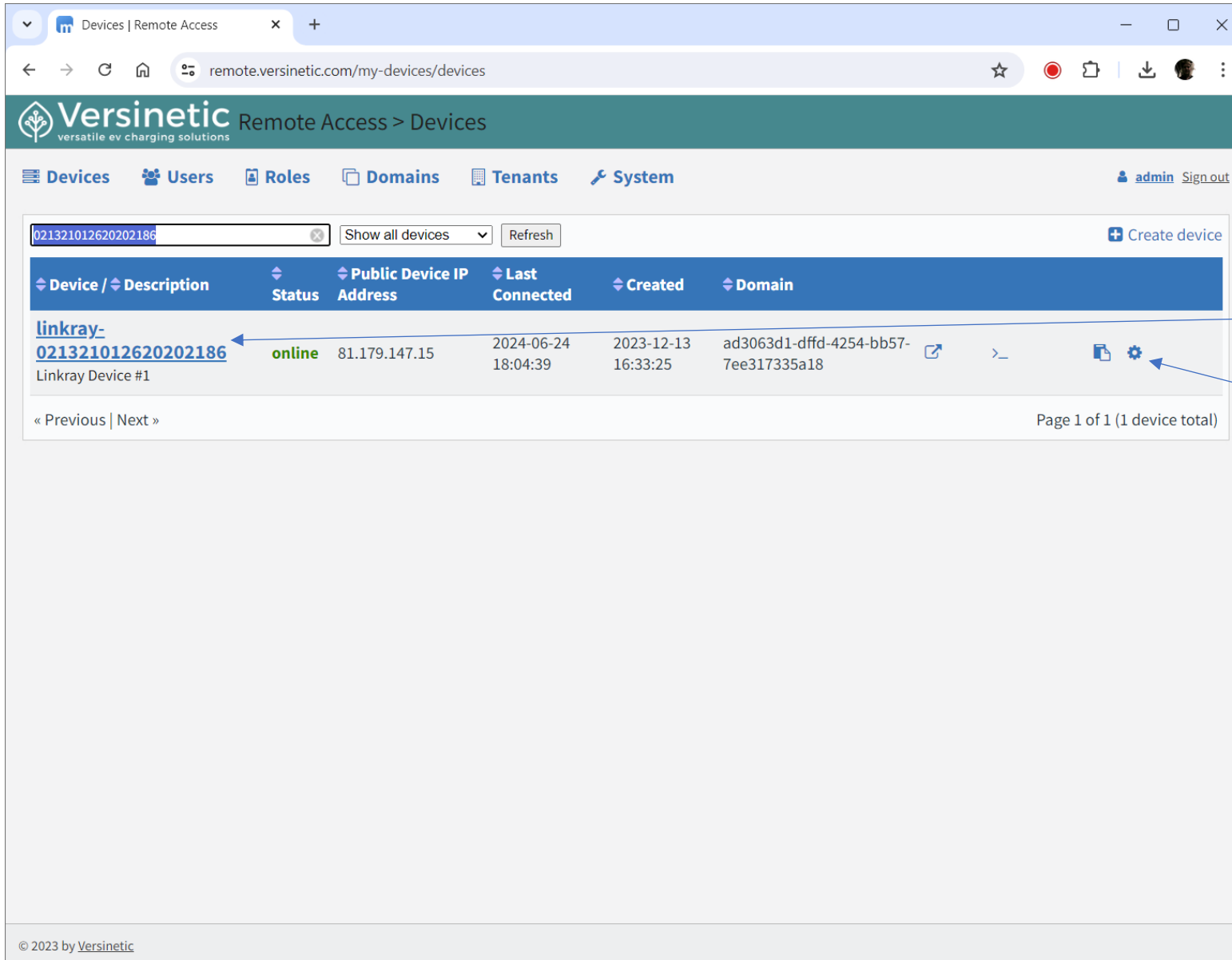**Sign in**   Forgot password?

Step 1 – Remote access

Power on the LinkRay device with a wired network connection which has internet access.

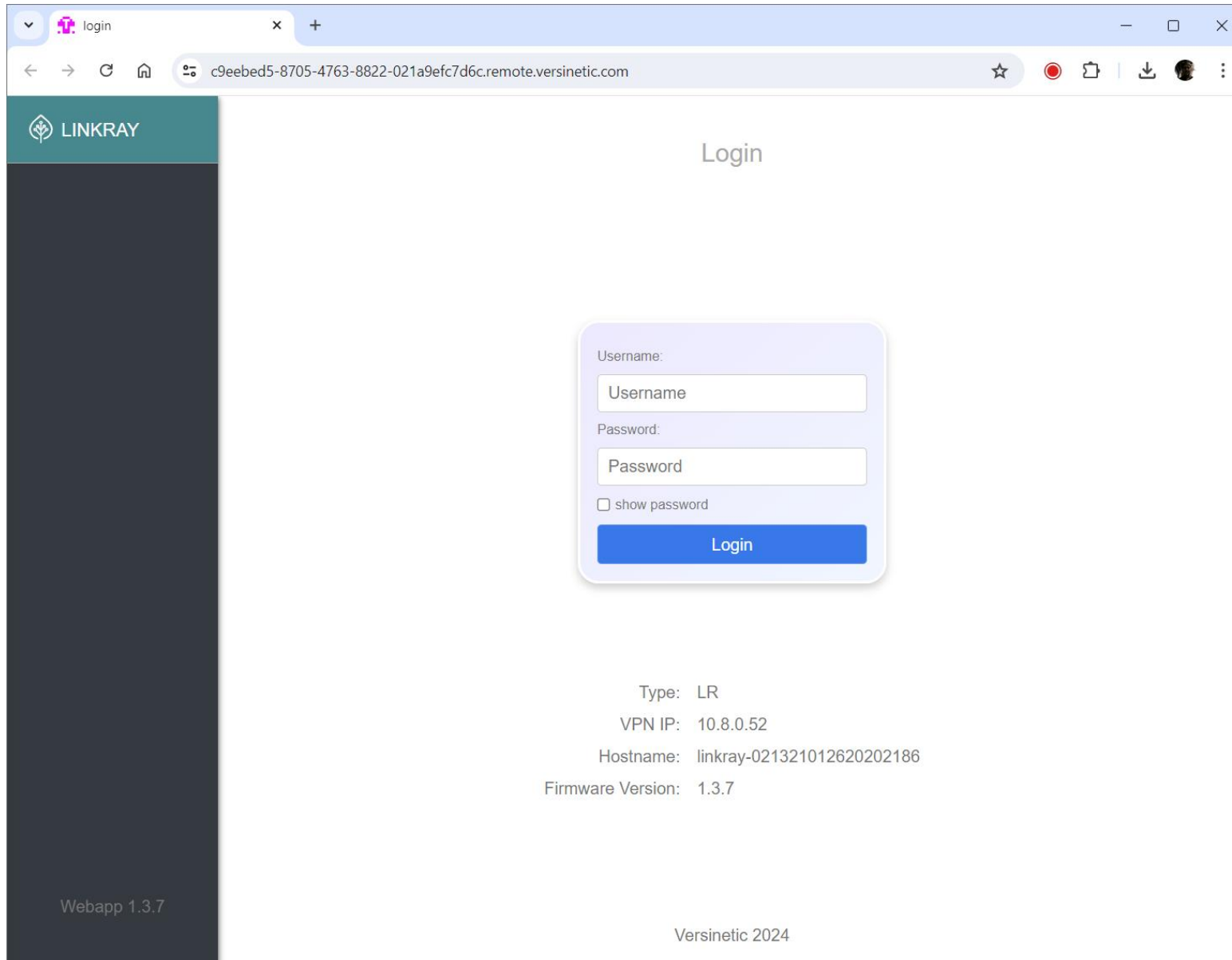Log onto the https://www.remote.versinetic.com with your supplied email and password.

Step 2 – Select your device.

All devices on your account will be shown with their availability (on/offline).

Select the LinkRay name to connect.

Sites can be renamed here with the cog symbol

Login

LINKRAY

Username:
Username

Password:
Password

☐ show password

Login

Type: LR
VPN IP: 10.8.0.52
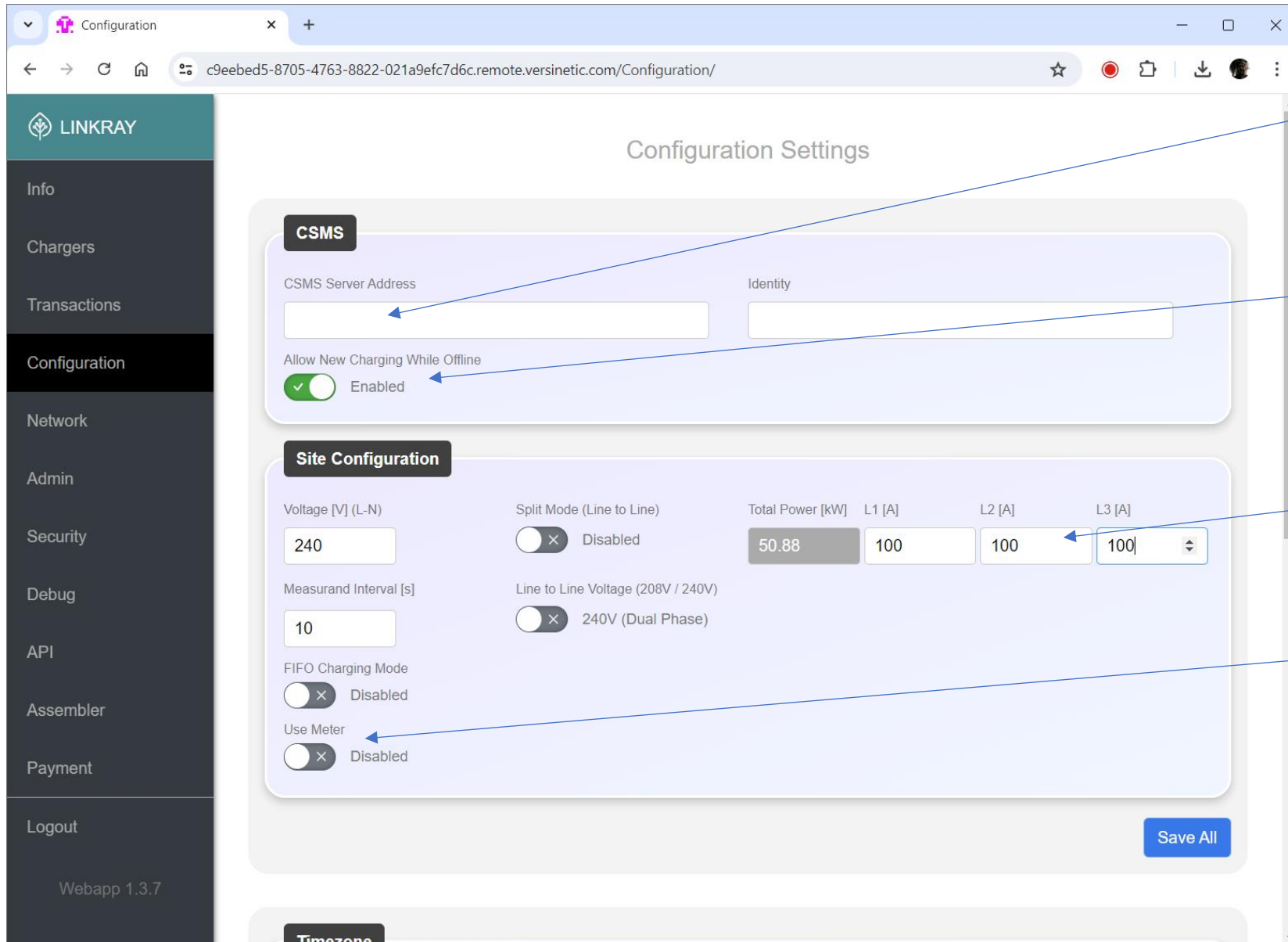Hostname: linkray-021321012620202186
Firmware Version: 1.3.7

Webapp 1.3.7

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Step 3 – Log in

Log into the LinkRay Device.

The default user / password is
Assembler /
2WW%[4%9nU`HWhGe

Step 4 – Configure the site power limits.

No CSMS URL (or the default ws://:80) means LinkRay is running without an internet backend for authorisation.

"Allow new charging while offline" indicates the LinkRay can authorise charging sessions itself (required when running in offline mode)

Site power is set to 100A on each of the three phases to the site in this example.

"Site meter disabled" means that the LinkRay will control charging limits without monitoring for additional power usage such as building power. In this mode ensure that the limits cannot be exceeded by lowering the total by a safe margin.

Step 5 – Network settings

Set a static IP address OR reserve the LinkRay IP in the routers DHCP lease.

Note after swapping between DHCP and Static the LinkRay may need to be rebooted.

This ensures that the IP address of LinkRay doesn't move, this is important as all chargers need to be configured to point to LinkRay.

![Versinetic logo]
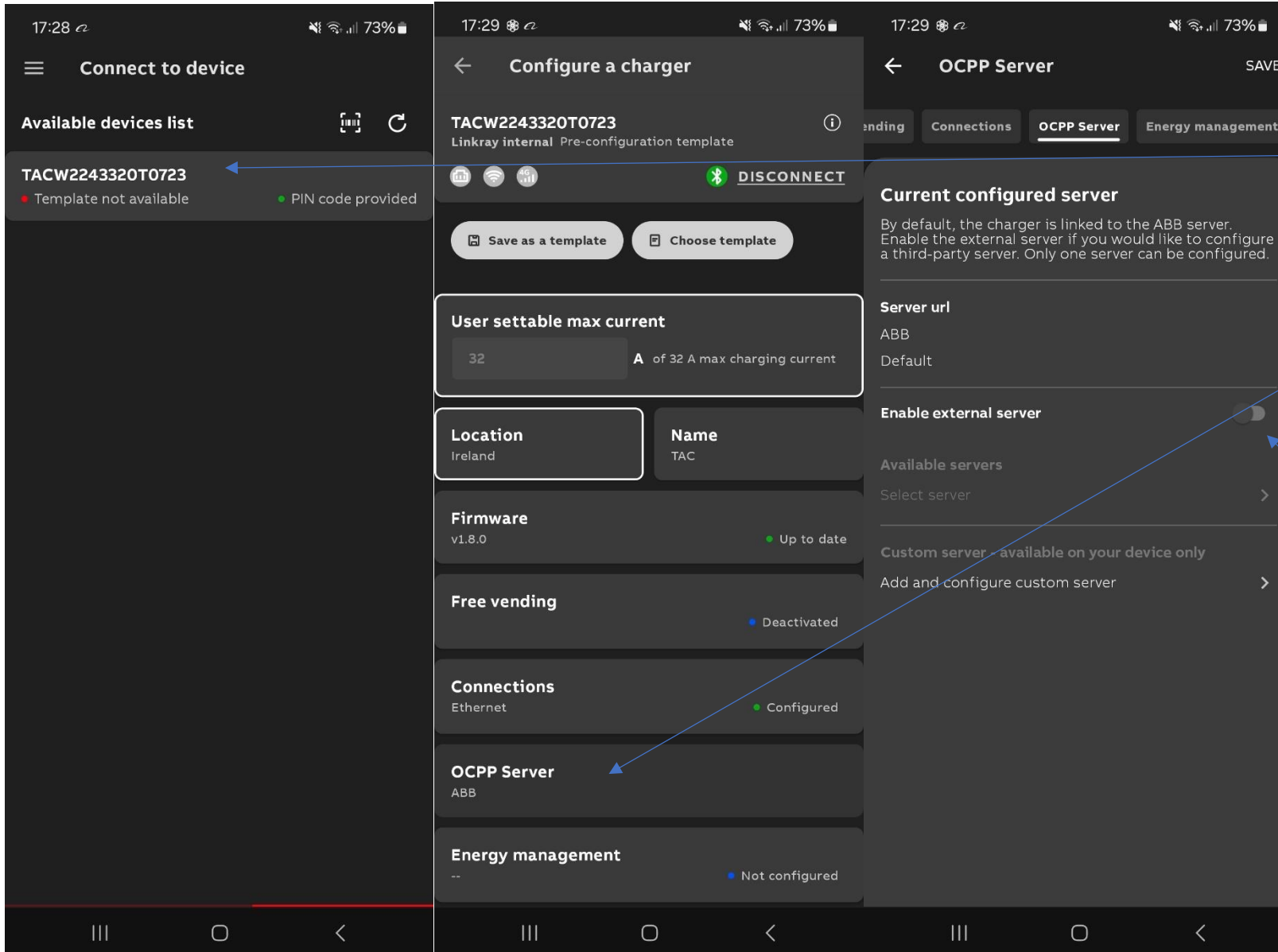
Step 6 – Charger Configuration

Using the ABB Terra App log onto the charger using Bluetooth. You maybe required to enter the user PIN at this point.

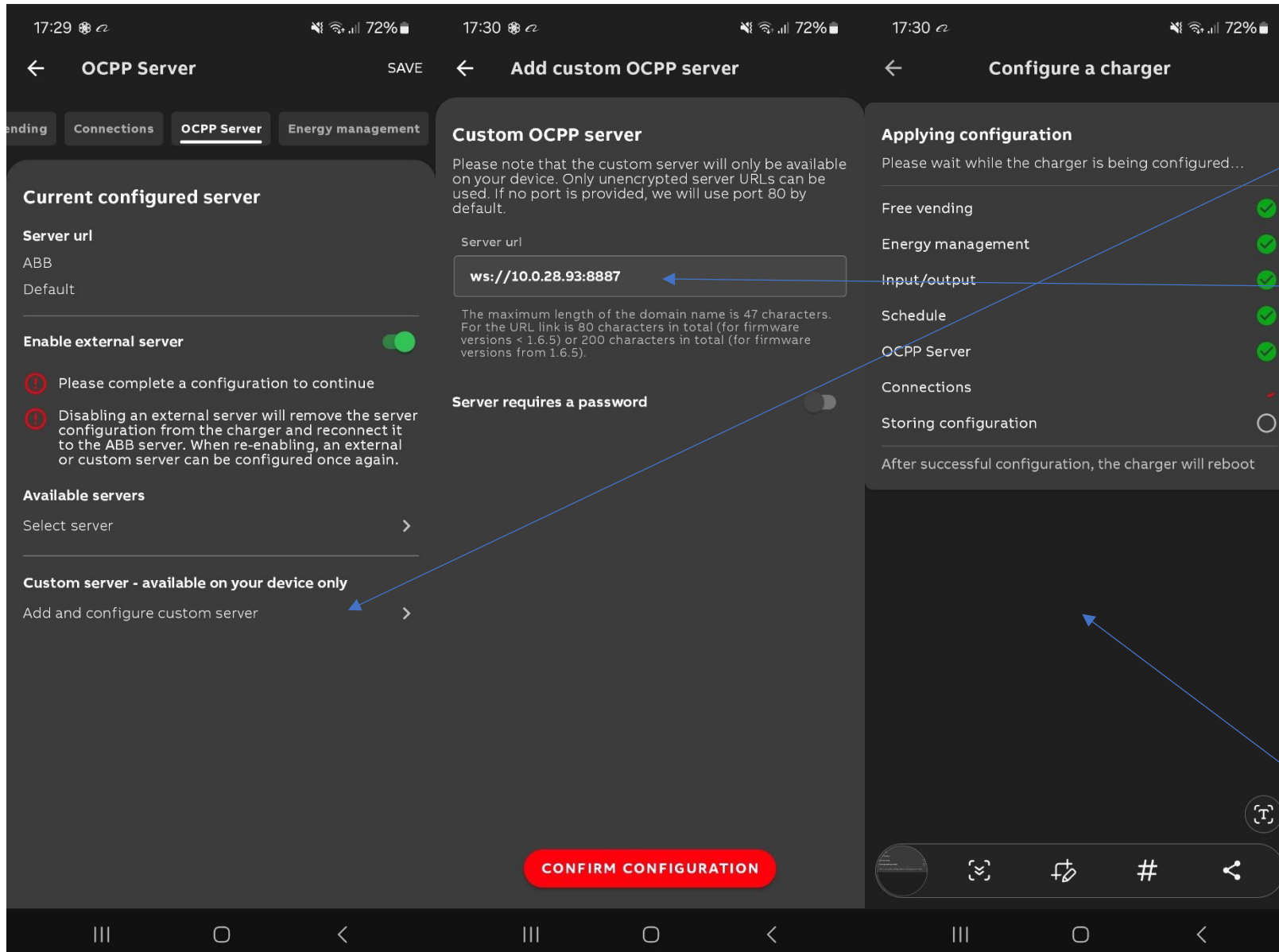On the configuration page the default OCPP server will be ABB, click this to update.

On the OCPP server page enable the external server slider.

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Step 7 – Charger Configuration (Continued)

Select the "add and configure custom server"

Enter the IP address of the LinkRay device from the Network page on LinkRay, this should be in the format of
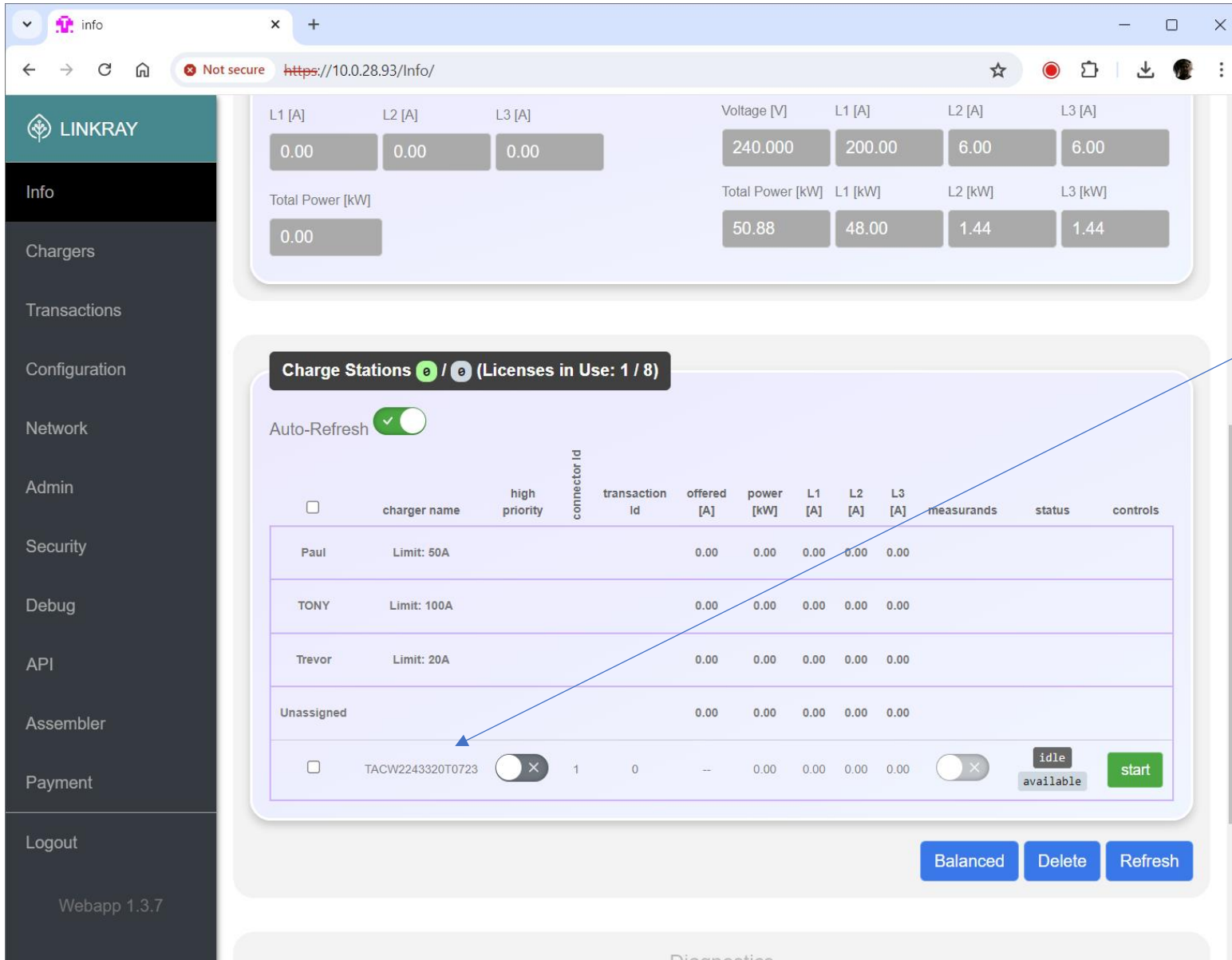
ws://aaa.bbb.ccc.ddd:8887

or

wss:/aaa.bbb.ccc.ddd:8886

ws indicated a web socket (like http)

wss indicated secure web sockets (like https)

Confirm, save, and apply the configuration, you will see the settings being saved, check this completes successfully.

Screenshot 1 – OCPP Server

OCPP Server — SAVE

Connections | OCPP Server | Energy management

Current configured server

Server url
ABB
Default

Enable external server ●

⊘ Please complete a configuration to continue

⊘ Disabling an external server will remove the server configuration from the charger and reconnect it to the ABB server. When re-enabling, an external or custom server can be configured once again.

Available servers
Select server >

Custom server - available on your device only
Add and configure custom server >

Screenshot 2 – Add custom OCPP server

Custom OCPP server

Please note that the custom server will only be available on your device. Only unencrypted server URLs can be used. If no port is provided, we will use port 80 by default.

Server url

ws://10.0.28.93:8887

The maximum length of the domain name is 47 characters. For the URL link is 80 characters in total (for firmware versions < 1.6.5) or 200 characters in total (for firmware versions from 1.6.5).

Server requires a password ●

CONFIRM CONFIGURATION

Screenshot 3 – Configure a charger

Applying configuration

Please wait while the charger is being configured…

Free vending ✓
Energy management ✓
Input/output ✓
Schedule ✓
OCPP Server ✓
Connections
Storing configuration ○

After successful configuration, the charger will reboot

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Browser window - info tab, URL: https://10.0.28.93/Info/

LINKRAY

- Info
- Chargers
- Transactions
- Configuration
- Network
- Admin
- Security
- Debug
- API
- Assembler
- Payment
- Logout

Webapp 1.3.7

L1 [A]	L2 [A]	L3 [A]
0.00	0.00	0.00

Total Power [kW]
0.00

Voltage [V]	L1 [A]	L2 [A]	L3 [A]
240.000	200.00	6.00	6.00

Total Power [kW]	L1 [kW]	L2 [kW]	L3 [kW]
50.88	48.00	1.44	1.44

Charge Stations 0 / 0 (Licenses in Use: 1 / 8)

Auto-Refresh [on]
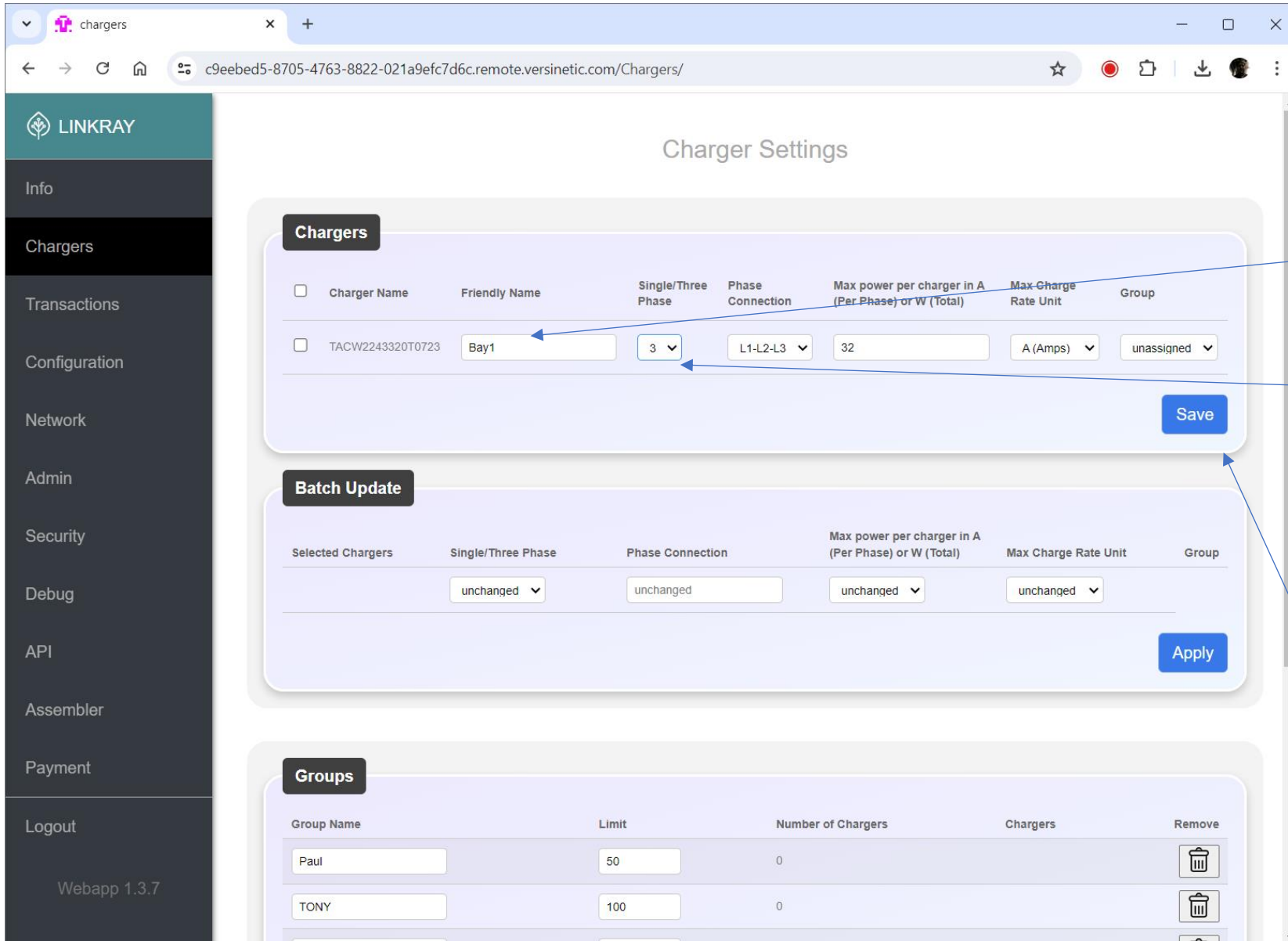
	charger name	high priority	connector Id	transaction Id	offered [A]	power [kW]	L1 [A]	L2 [A]	L3 [A]	measurands	status	controls
	Paul	Limit: 50A			0.00	0.00	0.00	0.00	0.00			
	TONY	Limit: 100A			0.00	0.00	0.00	0.00	0.00			
	Trevor	Limit: 20A			0.00	0.00	0.00	0.00	0.00			
	Unassigned				0.00	0.00	0.00	0.00	0.00			
	TACW2243320T0723	[×]	1	0	--	0.00	0.00	0.00	0.00	[×]	idle available	start

[Balanced] [Delete] [Refresh]

Diagnostics

Step 7 – LinkRay Info

After the ABB Terra has rebooted with the new configuration you will see the TACWxxxx device appear in the Charge Stations, it should indicate it is idle and available.

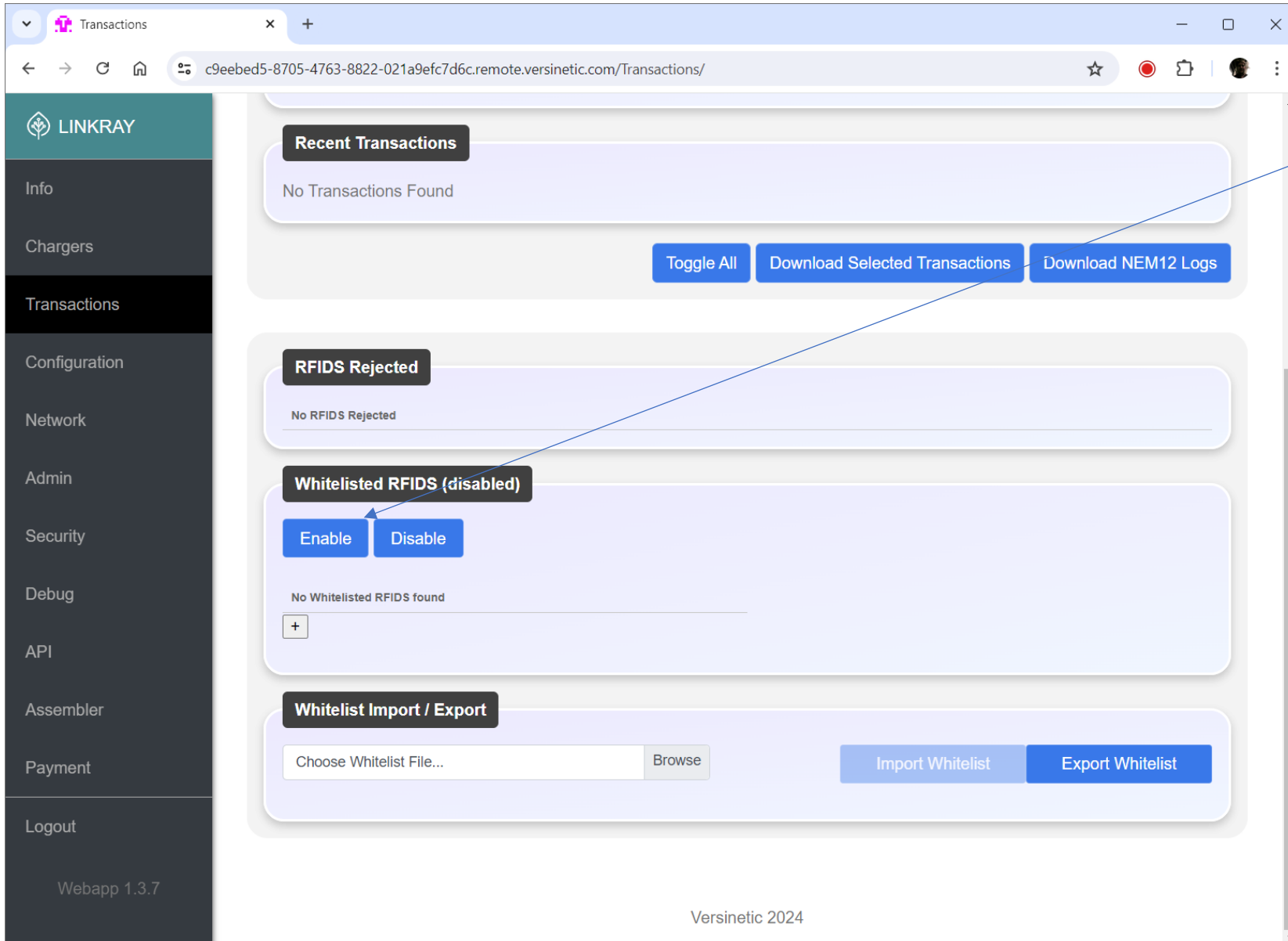**Versinetic**

Step 8 – Charger Configuration

Select the Charger page.

Enter a friendly name to aid identifying devices.

Select if the charger is single or three phase and its physical phase connection.

(optionally) Chargers can be grouped with limits per group if required.

Click on Save.

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Step 9 – Enable and add any RFID tags (optional)

If required turn on a whitelist for RFID authorisation.

Add tags by presenting them to a configured charger, entering using a CSV file or manually using the [+] button.

Step 10 – Test

Navigate to the Info screen, and perform a test charge,

Full user manuals are available at https://docs.versineric.com