

CONFIGURATION TOOL USER MANUAL VERSION 1.1.4

VersiCharge™ AC

Electric vehicle charging station

usa.siemens.com/versicharge



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1. Introduction to VersiCharge Chargers

NOTE: These instructions only apply to the version number listed on the title page.

VersiCharge charger models can be parent (advanced) or child (basic), based on features. VersiCharge chargers use the VersiCharge Configurator application, a Windows application, for configuration and connect over Wi-Fi, Ethernet or a mobile network to VersiCloud using a built-in Wi-Fi connection.

The following chargers are supported by the VersiCharge Configurator:

- All VersiCharge UL models except those with part numbers 8EM131X-XXX10-XXXX
- VersiCharge IEC models with part numbers 8EM131X-XXX0X-XXXX

To view the Configurator's user manual and get help, click on the Help icon.

To install the configuration tool, please refer to configuration tool installation manual which can be found at usa.siemens.com/versicharge and siemens.com/versicharge.

2. Register in VersiCloud

Before commissioning chargers, create an account in VersiCloud.

For all UL chargers, (except 8EM131X-XXX10-XXXX) register using the following link:

<https://www.versichargesg.com/Account/Login?ReturnUrl=%2f>

For IEC chargers, (P/Ns 8EM131X-XXX0X-XXXX) register using the following link:

<https://versicharge.emobility.siemens.cloud/Account/Register>

The VersiCharge mobile app for iOS and Android can also be used to register a charger.

NOTE: VersiCloud provides visibility of all chargers connected to the same account and also provides an option to remove/deregister any chargers.

3. Commission the VersiCharge Chargers

VersiCharge chargers can be commissioned over a network. Charger connection options are as follows:

- Wi-Fi
- Ethernet
- Cellular

Commission the VersiCharge charger by completing the following tasks:

- Register the Charger
- Connect to the Charger
- Commission the Charger

3.1 Register the Charger

Register the charger by following the steps below (see Section 2 for the registration link):

1. **Open the VersiCharge Configurator application.**

The Welcome screen appears:

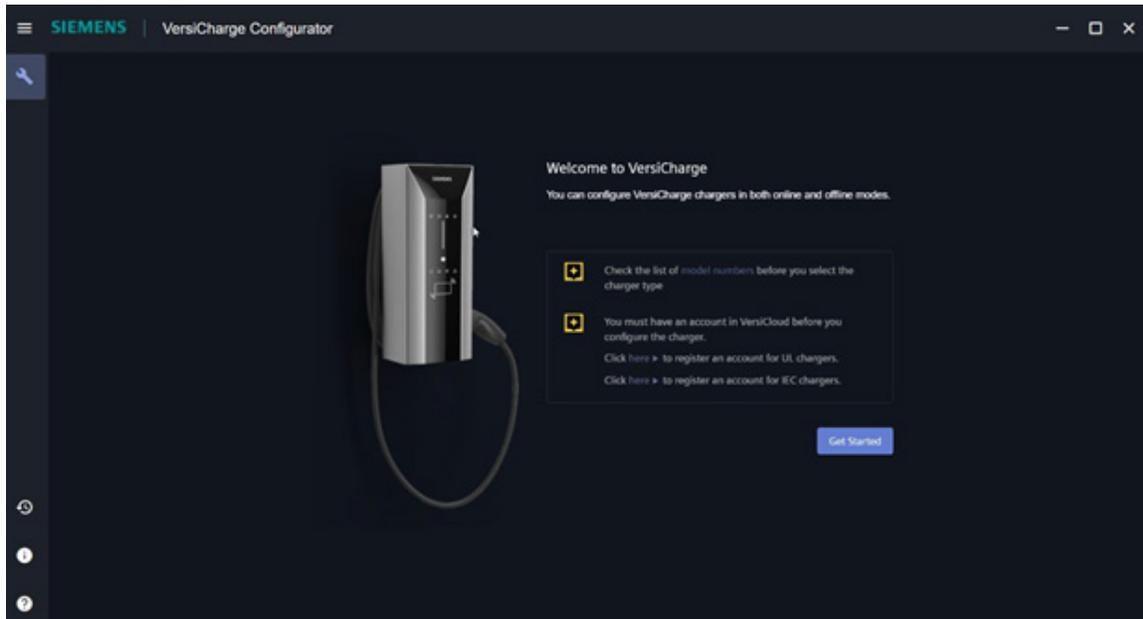


Figure 1. Welcome Screen

Before commissioning, click model numbers to review the supported models.

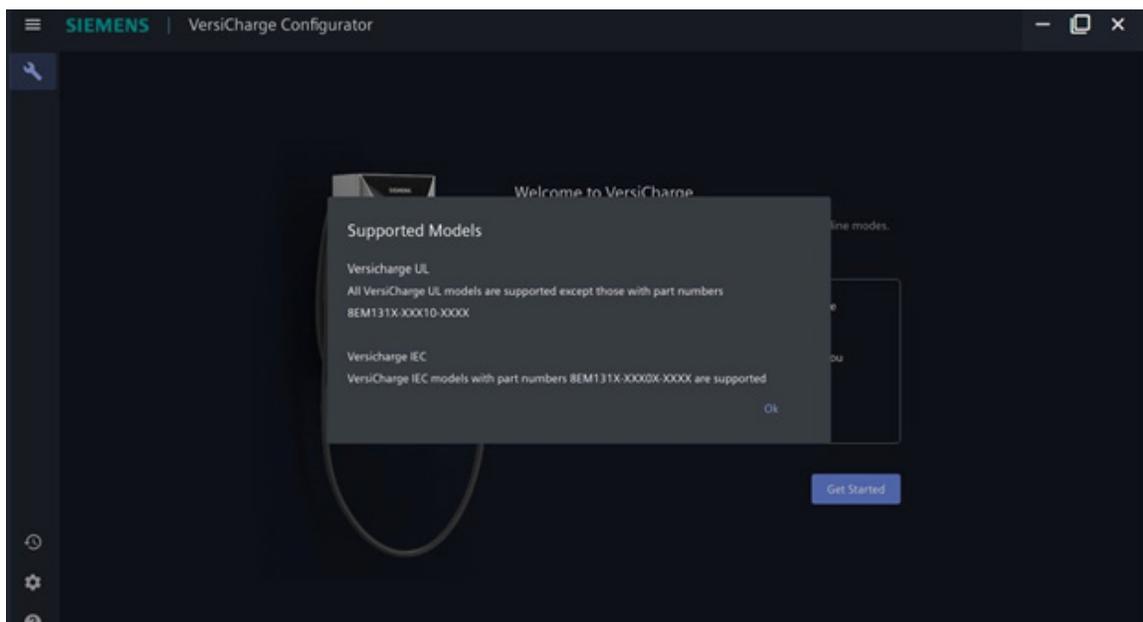


Figure 2. Supported Models

2. Click **Get Started**.

The *Before you begin* screen appears:

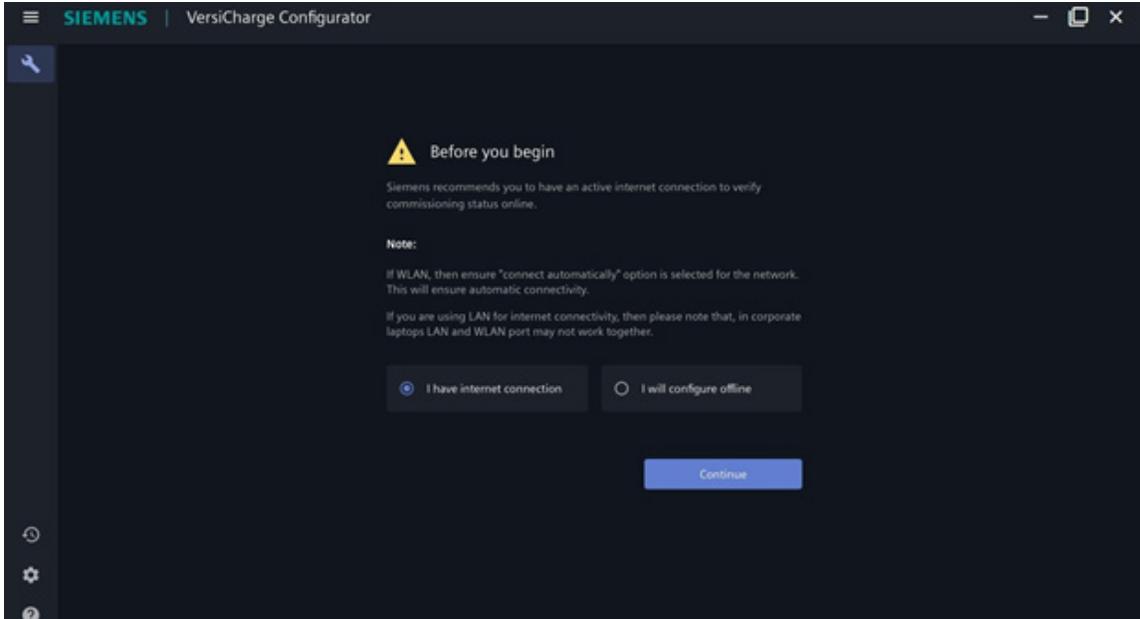


Figure 3. Before You Begin

3. Choose how to configure the charger.

- Select *I have an Internet connection*, and the VersiCharge Configurator verifies the configuration in VersiCloud after you complete the configuration.
- Select *I will configure offline*, to manually verify the configuration in VersiCloud after the configuration is complete. For more information on how to verify the configuration status manually, see [3.2 Connect the Charger](#).

4. Click **Continue**.

The *Charger Registration Details* screen appears:

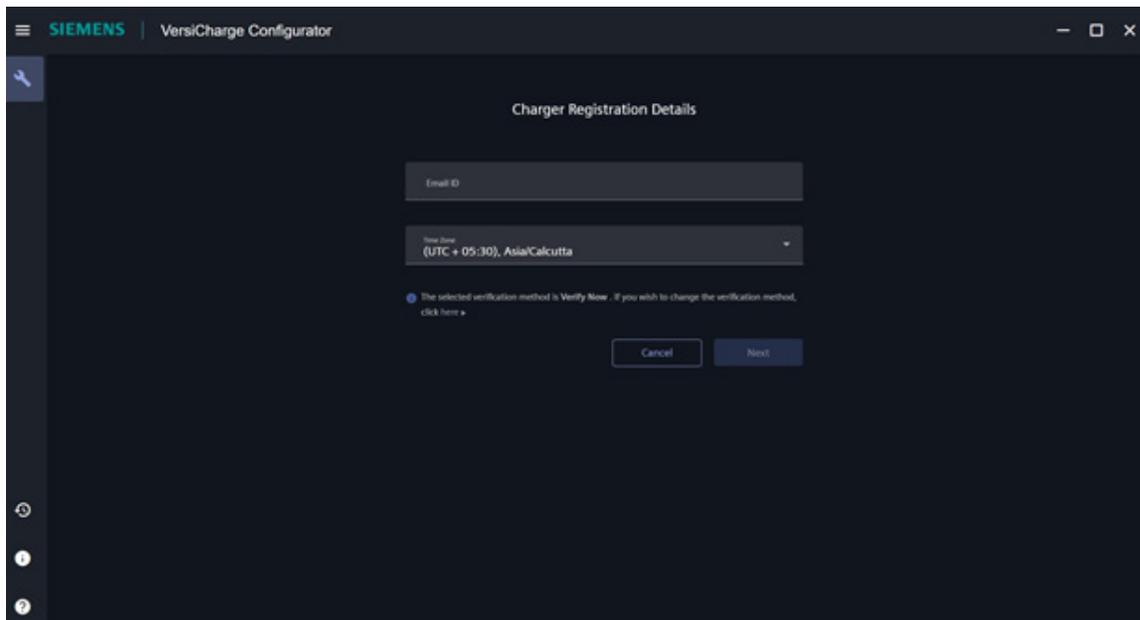


Figure 4. Charger Registration Details

NOTE: You can click on the link to change the verification method. When you select *Verify Later*, the commissioning status must be manually verified as per the LED status shown on charger after you complete the configuration.

5. Enter the registered **Email ID**.

The Email ID must be registered in VersiCloud before configuring the charger (see [2 Register in VersiCloud](#)).

6. Select the time zone of the charger from the drop-down list.

- Click **Next** to continue the configuration.

3.2 Connect the Charger

The status of the charger can be monitored by the color of the LED notifications shown on the charger display. The different LED notification types are listed in the table below:

Description of Sequence	LED Color
Power up	Grey Blinking
Software loading	Red Blinking
Software running	Yellow Blinking
Charger in Access Point (AP) mode	White Blinking
Receiving connection credentials	White Blinking
Received connection credentials	Green Blinking
Connecting to network	Green Blinking
Connected to network	Green Steady
Connecting to VersiCloud	Blue Blinking
Connected to network, registered, and connected to VersiCloud	White Steady

Before charger connection ensure the following:

- Ensure the Wi-Fi connection between the charger and the commissioning device is enabled and active at the commissioning/configuring device. For better stability, use 2.4GHz-type Wi-Fi network
- The Wi-Fi LED is blinking white on the charger (this indicates the charger is in Access Point (AP) mode).
- The Wi-Fi endpoint of the charger is available for connection. The serial number, found on the charger label, is a connection choice.

NOTE: If Internet setup has been already configured in VersiCharge Configurator application with one of the modes, configuring it with any other mode will override the existing configuration.

Perform the following steps to connect to the charger:

- Register the charger.**
For more information, see section [3.1 Register the Charger](#).
- Connect to the Wi-Fi endpoint of the charger that will be used for configuration/commissioning.**

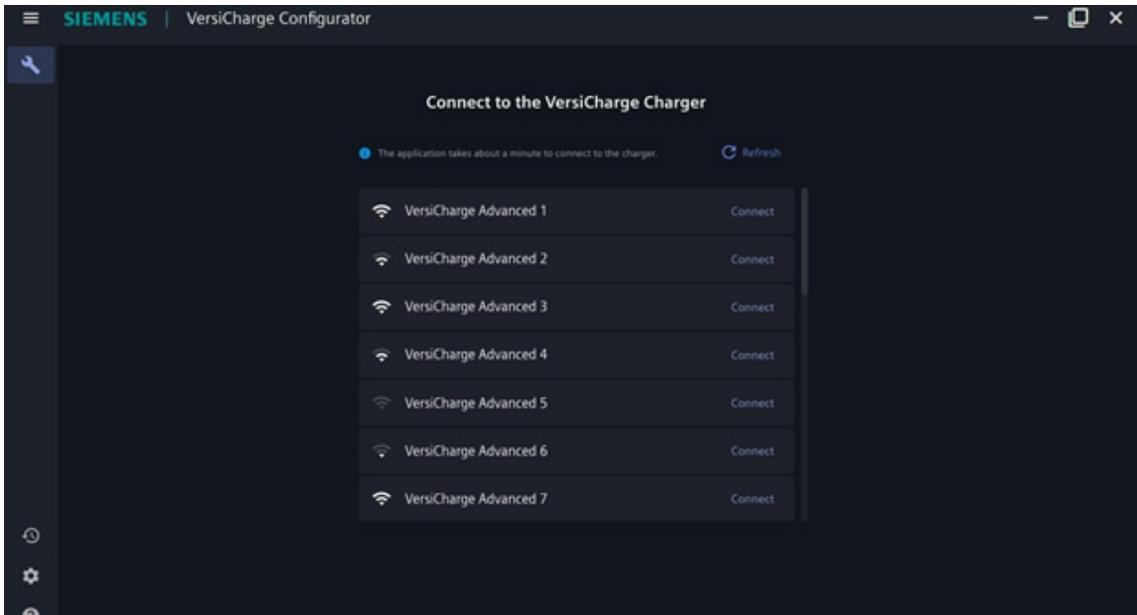


Figure 5. Connect to VersiCharge Charger

Click *Refresh* if the endpoint is not visible.



Figure 6. Refresh Endpoints

When the charger connection is successful, the *Choose the mode of Internet Connection* page appears along with the serial number and catalog number of the charger:

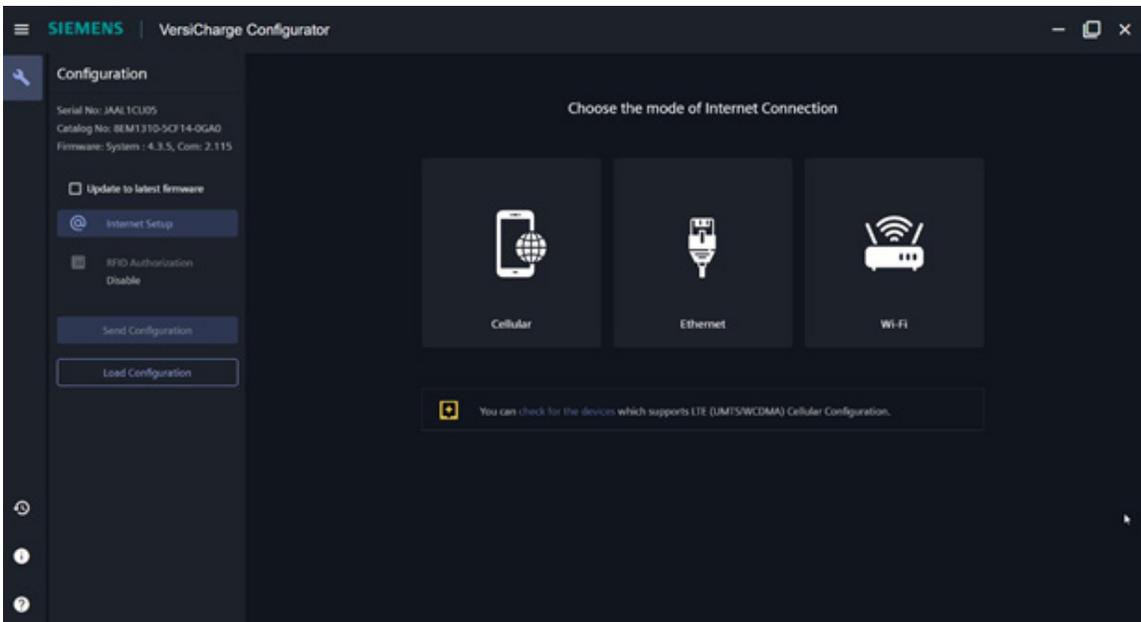


Figure 7. Charger Connection Complete

- In the Configuration pane, click Internet Setup and select how to connect to the Internet, from the following options.
 - Wi-Fi
 - Ethernet
 - Cellular

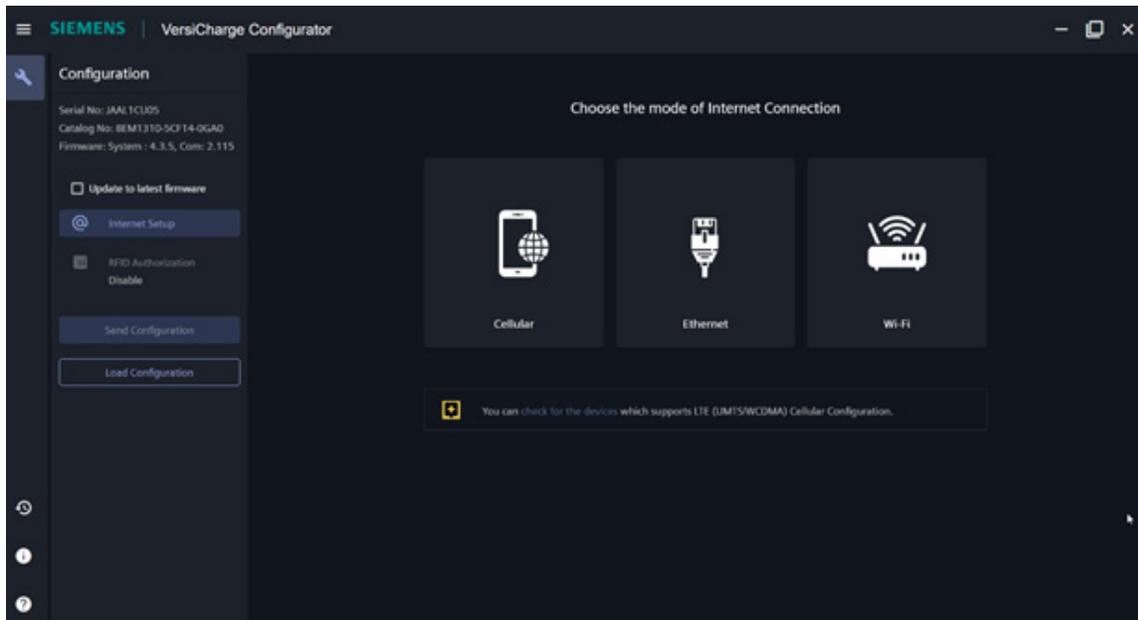


Figure 8. Connect to the Internet

3.3 Configure the Charger in Wi-Fi Mode

Perform the following procedure to set up internet in Wi-Fi.

- Register the charger.**
For more information, see [3.1 Register the Charger](#).
- Connect to the charger.**
For more information, see [3.2 Connect to the Charger](#).
- In the Configuration pane, click Internet Setup and select Wi-Fi in the Choose the mode of Internet Connection screen.**

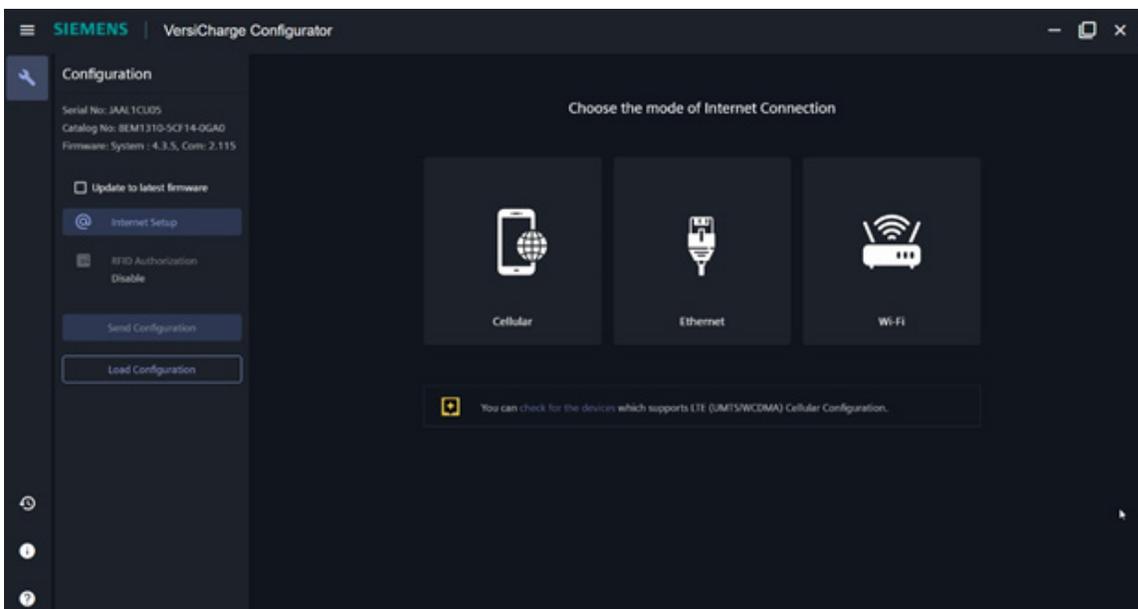


Figure 9. Choose Mode of Internet Connection

- Click **Refresh** to refresh the list of Wi-Fi networks.
Select the Wi-Fi connection to connect to the internet.

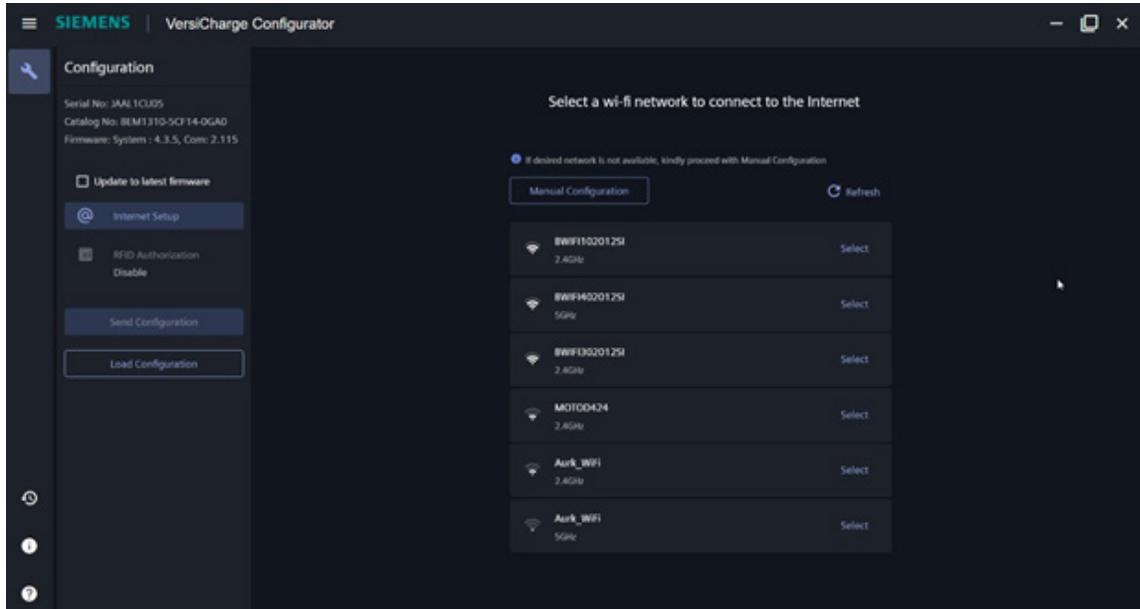


Figure 10. Select Wi-Fi Network

- Enter the password and click **Save**.
If the Wi-Fi is not listed, click *Manual Configuration* to configure/commission the Wi-Fi.
Enter the SSID and hotspot password to manually configure/commission the Wi-Fi configuration.

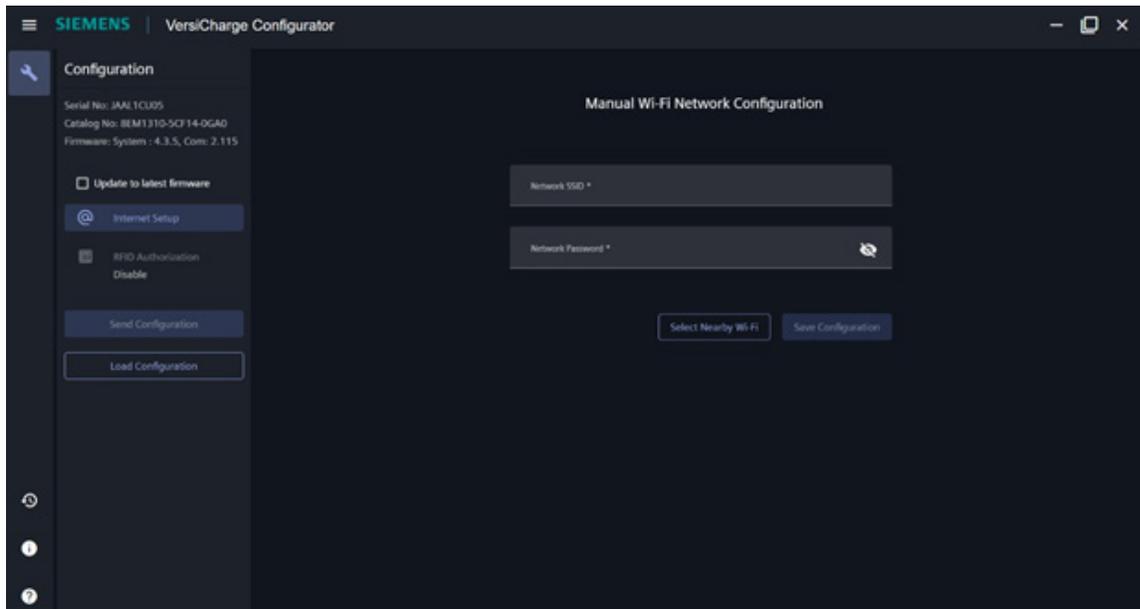


Figure 11. Manual Wi-Fi Network Configuration

6. Select **RFID Authorization** from the configuration pane to set the authentication preference.
For more information, see [3.6 Enable or Disable RFID Authorization](#).
7. Click **Send Configuration** to send the configuration to the charger.
For more information, see [3.7 Commission the Charger](#).

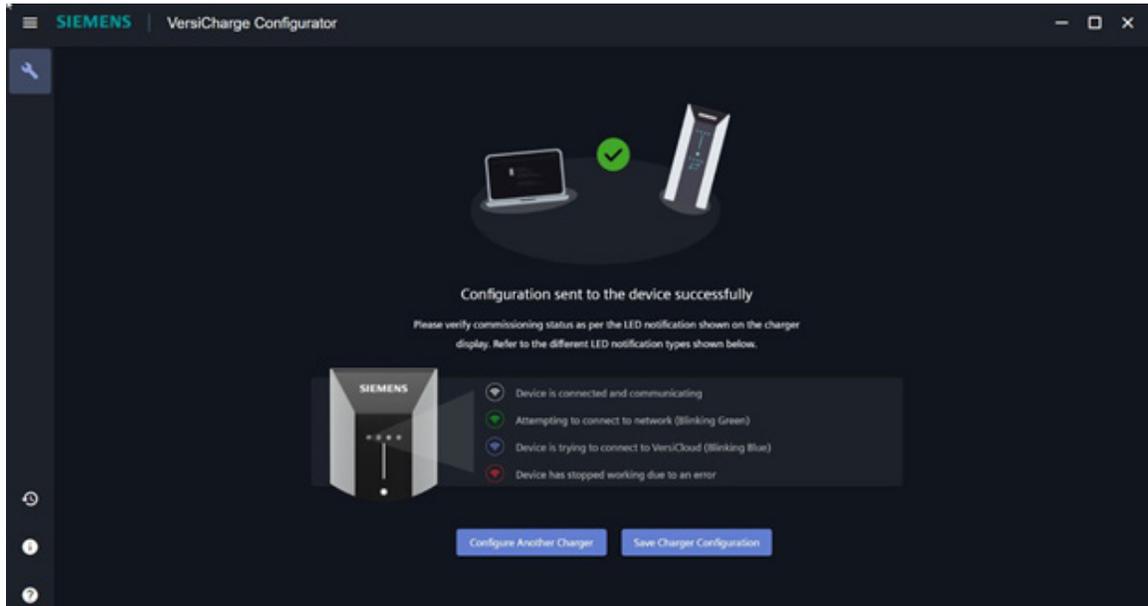


Figure 12. Configuration Sent to Device Successfully

8. Click **Save Configuration** to save the current configuration onto your computer's local drive.
For more information, see [3.8 Save Charger Configuration](#).

3.4 Configure the Charger in Ethernet Mode

Ensure that the Ethernet cable is connected to the charger.
Perform the following procedure to set up internet in Ethernet.

NOTE: Make sure LAN cable is connected to the charger.

To configure the charger in the Ethernet mode:

1. **Register the charger.**
For more information, see [3.1 Register the Charger](#).
2. **Connect to the charger.**
For more information, see [3.2 Connect to the Charger](#).
3. **In the *Configuration* pane, click *Internet Setup* and select the *Ethernet* in the *Choose the mode of Internet Connection* screen.**

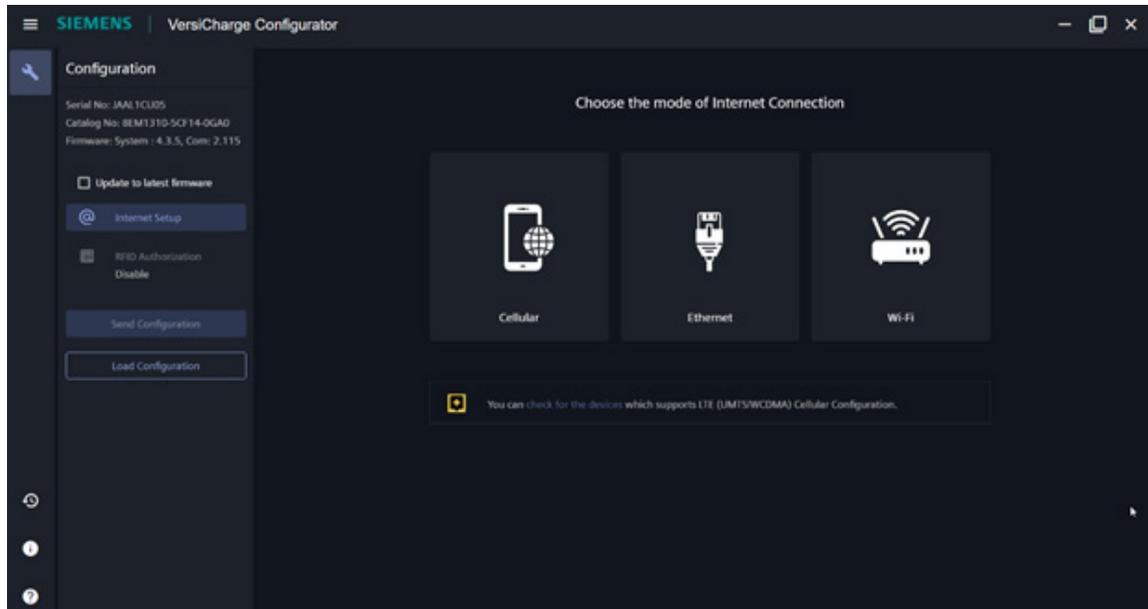


Figure 13. Select Ethernet Mode

4. **Select how you want to configure the DNS server address.**
 - Click on the Obtain DNS Server address automatically radio button to use a public DNS.

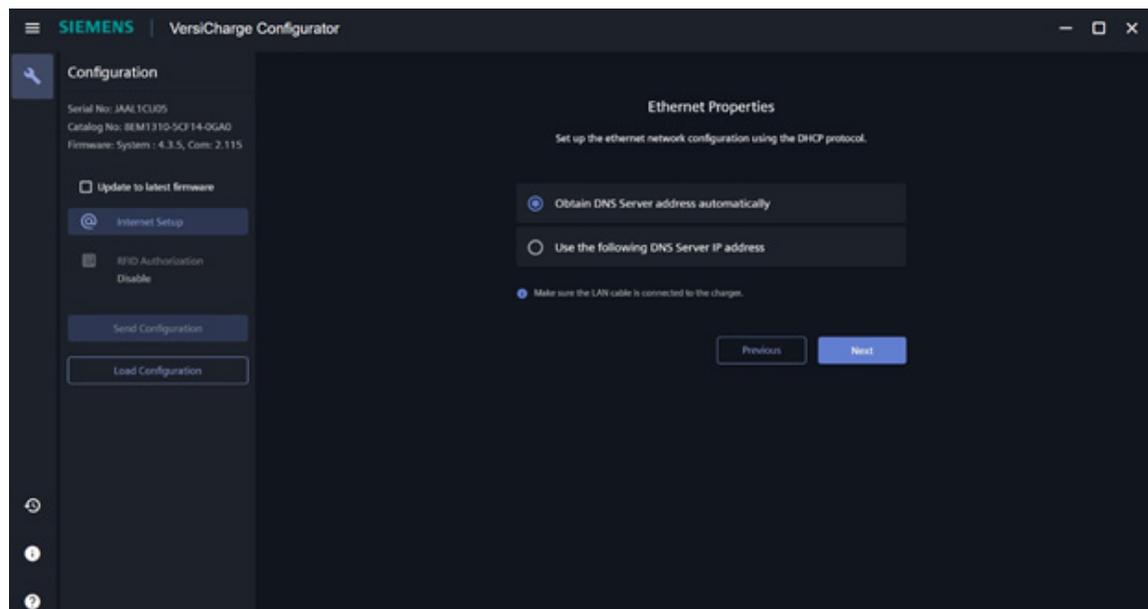


Figure 14. Ethernet Properties – Obtain DNS Server address automatically

- Click on the *Use the following DNS Server IP address* radio button to manually enter the DNS server address.

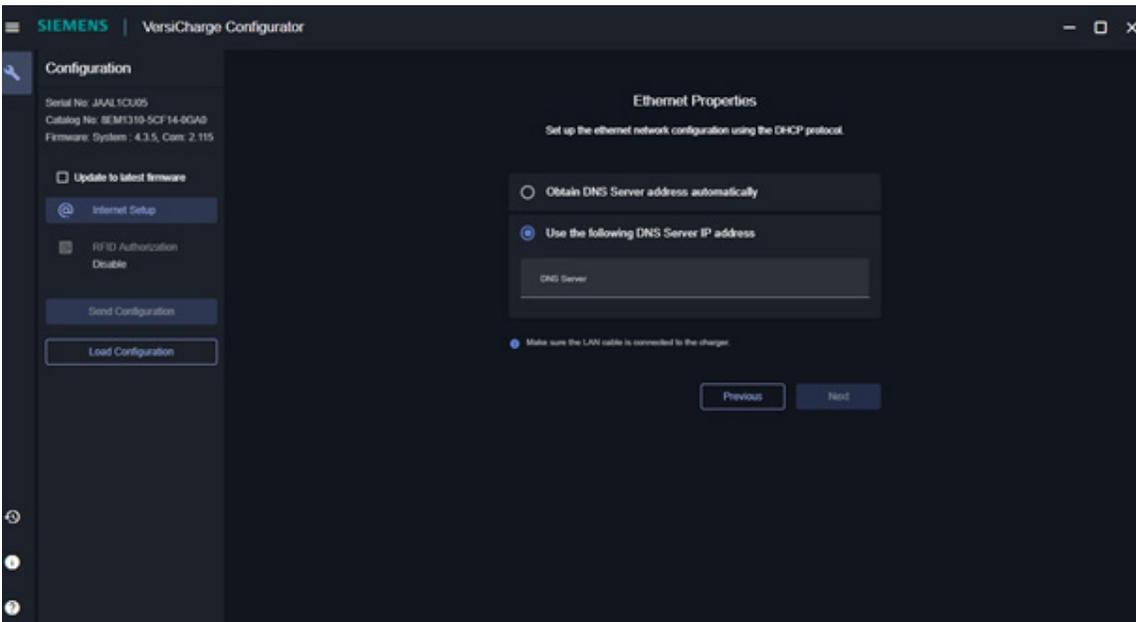


Figure 15. Ethernet Properties – Manual DNS Server settings

5. Enable *Share internet with other chargers* and set the authentication information if you wish to share the internet connection of this charger with other chargers. This applies only if you have selected *Dynamic*.

NOTE: Sharing the internet connection with other chargers is only possible from Wi-Fi (the charger acts as a hotspot). When you enable Share Internet, the verification method to verify the commissioning status of the charger is changed to *Verify Now*.

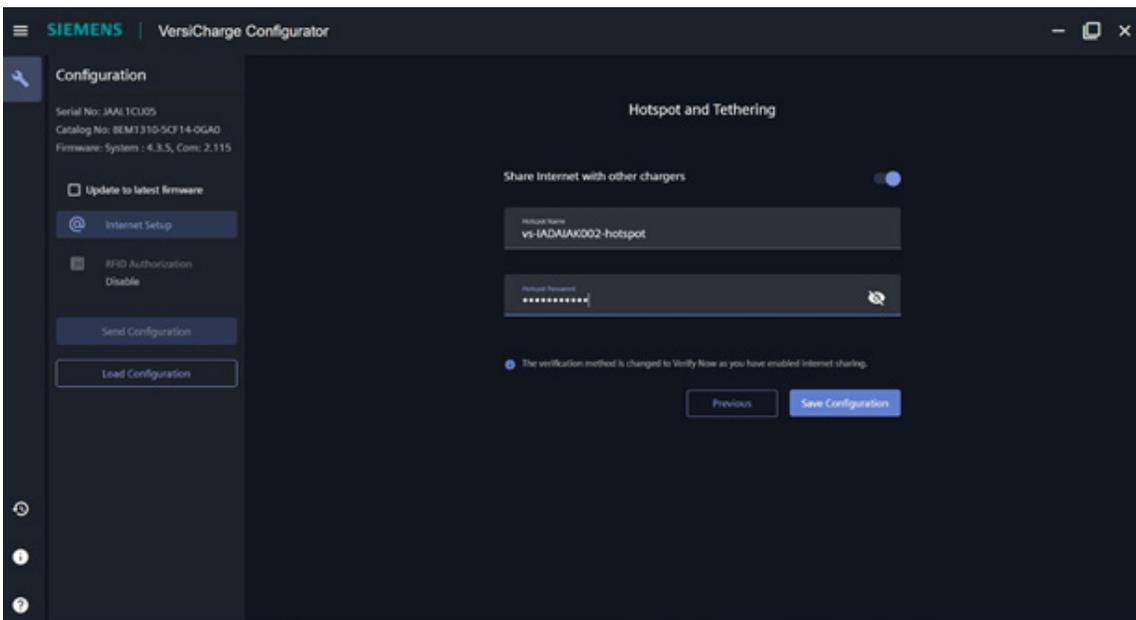


Figure 16. Hotspot and Tethering

6. Select *RFID Authorization* from the configuration pane to configure the authentication preferences. For more information, see [3.6 Enable or Disable RFID Authorization](#).
7. Click *Send Configuration* to send the configuration information to charger. For more information, see [3.7 Commission the Charger](#).
8. Click *Save Configuration* to save the current configuration onto your computer's local drive. For more information, see [3.8 Save Charger Configuration](#).

3.5 Configure the Charger in Cellular Mode – only available for parent units

Ensure that the SIM card is in the charger before beginning charger configuration.

NOTE: This mode is only available for UL and IEC parent units.

To connect the charger in cellular mode::

1. **Register the charger.**
For more information, see [3.1 Register the Charger](#).
2. **Connect to the charger.**
For more information, see [3.2 Connect to the Charger](#).
3. **In the Configuration pane, click Internet Setup and select Cellular in the Choose the mode of Internet Connection screen.**

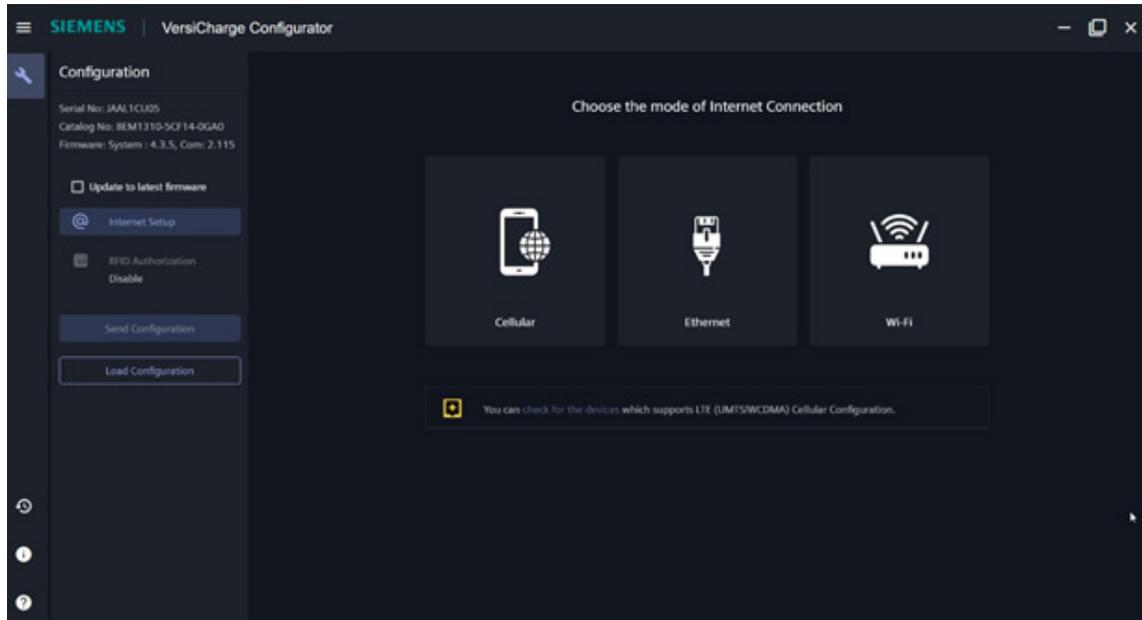


Figure 17. Select Cellular Mode

NOTE: You can click *Check for the devices* to view the devices that support LTE and 4G cellular configuration.

4. Enter the following details in the *Cellular Mode Configuration* screen:

- Modem Dial String
- APN
- Authentication Information

The authentication information is not mandatory if the cellular connection automatically connects to the internet.

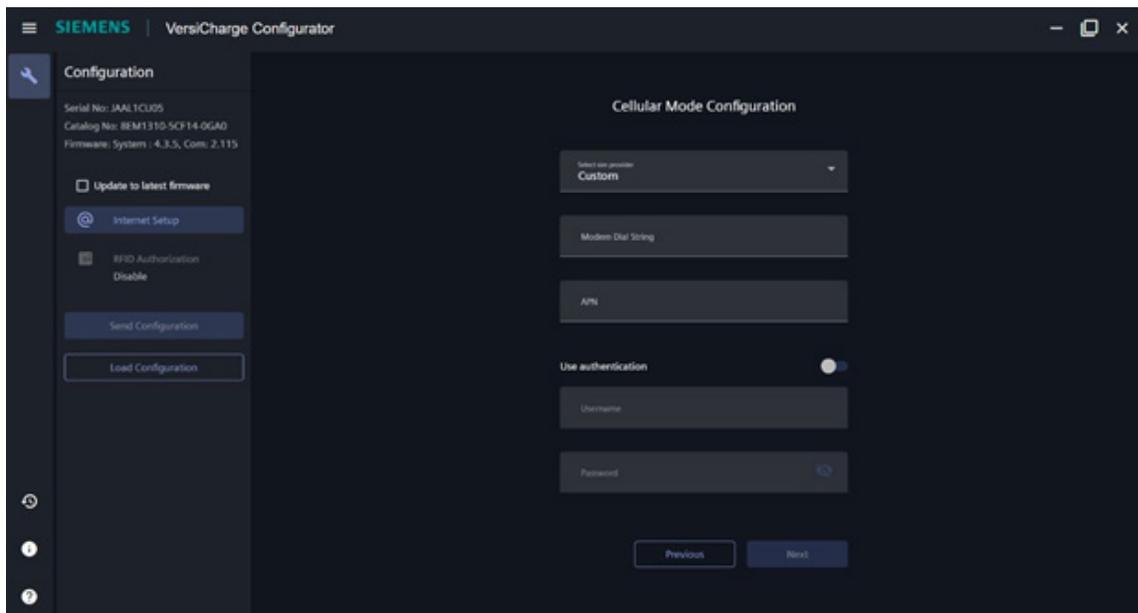


Figure 18. Cellular Mode Configuration

5. Click *Next*.6. Enable *Share Internet with other chargers* and set the authentication information to share the internet connection of this charger with other chargers.

NOTE: Sharing the internet connection with other chargers is only possible from Wi-Fi (charger acts as a hotspot). When you enable *Share Internet*, the verification method to verify the commissioning status of the charger is changed to *Verify Now*.

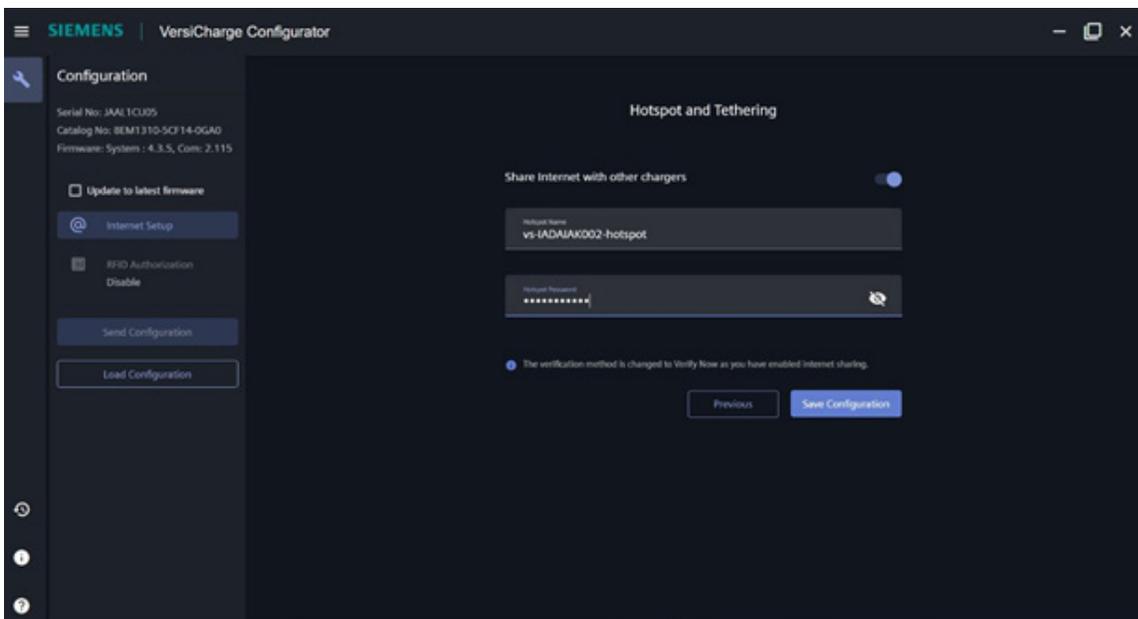


Figure 19. Share Internet from Sim Data

7. Select *RFID Authorization* from the configuration pane to configure the authentication preference. For more information see, 3.6 *Enable or Disable RFID Authorization*.

8. Click **Send Configuration** to send the configuration information to charger.
For more information, see [3.7 Commission the Charger](#).
9. Click **Save Configuration** to save the current configuration onto your computer's local drive.
For more information, see [3.8 Save Charger Configuration](#).

3.6 Enable or Disable RFID Authorization

RFID authorization is only enabled for firmware version 2.115 and later.

To enable RFID authorization in firmware versions older than 2.115, select the *Update to latest firmware* checkbox.

To Enable or Disable the RFID Authorization:

1. **Register the charger.**
For more information, see [3.1 Register the Charger](#).
2. **Connect to the charger.**
For more information, see [3.2 Connect to the Charger](#).
3. **Configure the charger in Wi-Fi, Ethernet, or Cellular mode.**
For more information, see [3.3 Configure the Charger in Wi-Fi Mode](#), [3.4 Configure the Charger in Ethernet Mode](#), and [3.5 Configure the Charger in Cellular Mode](#).
4. **If the displayed firmware version is older than 2.115, select the *Update to latest firmware* checkbox.**
5. **Select *RFID Authorization* from the configuration pane to configure the authentication preference.**
6. **Choose if you want to enable authorization.**
 - Select *Enabled* to enable RFID authentication and click *Save Configuration*.

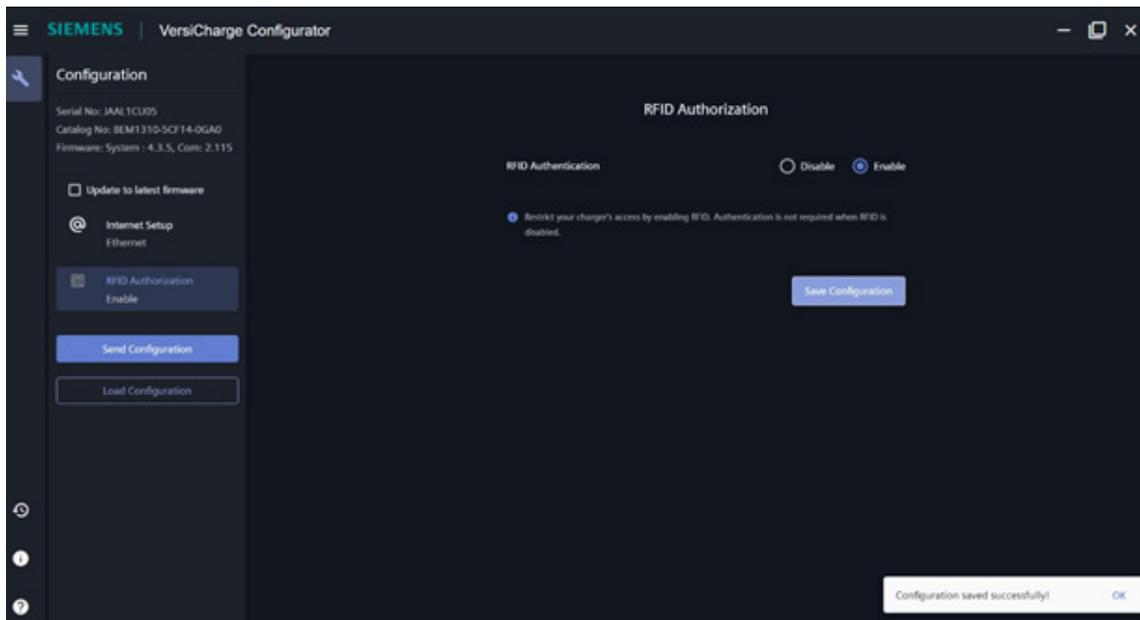


Figure 20. Enable RFID Authorization

- Select *Disabled* to disable RFID authentication and click *Save Configuration*.

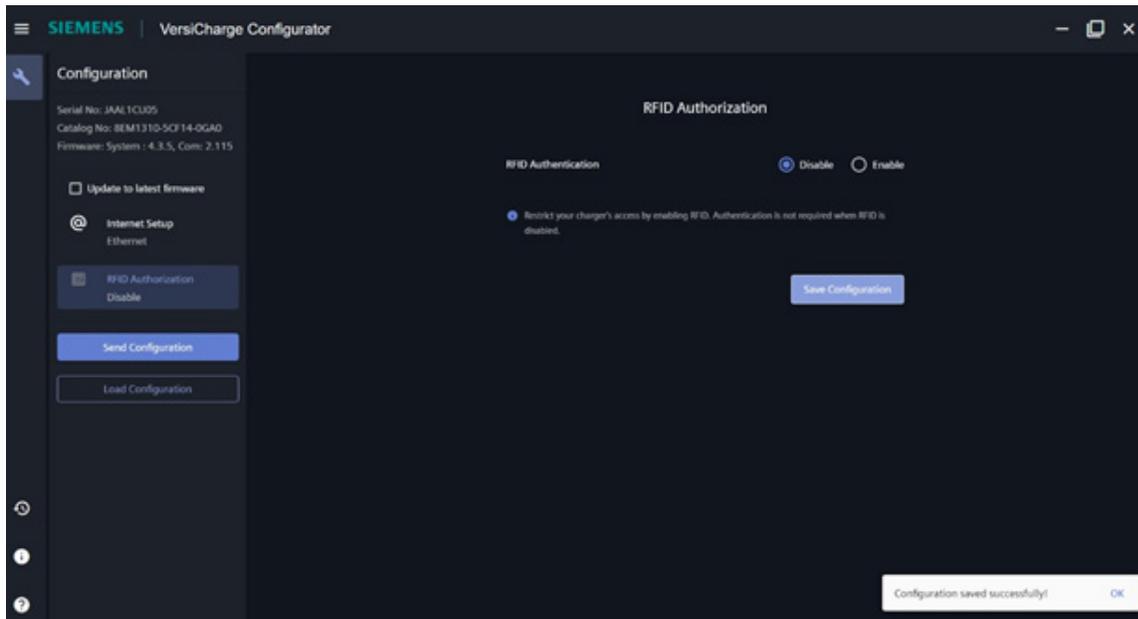


Figure 21. Disable RFID Authorization

3.7 Commission the Charger

To commission the charger, perform the following procedure:

1. **Register the charger.**
For more information, see [3.1 Register the Charger](#).
2. **Connect to the charger.**
For more information, see [3.2 Connect to the Charger](#).
3. **Configure the charger in Wi-Fi, Ethernet, or Cellular mode.**
For more information, see [3.3 Configure the Charger in Wi-Fi Mode](#), [3.4 Configure the Charger in Ethernet Mode](#), and [3.5 Configure the Charger in Cellular Mode](#).
4. **Choose to enable or disable RFID authorization.**
For more information, see [3.6 Enable or Disable RFID Authorization](#).
5. **Click *Send Configuration*.**
The charger verifies the information, and the Notification screen appears:

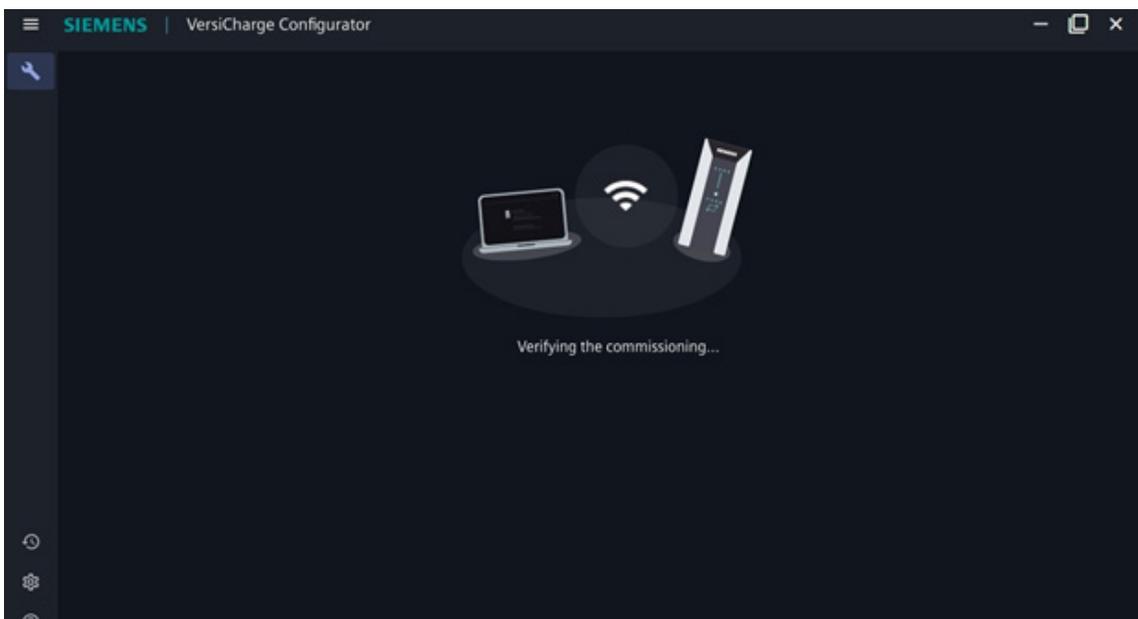


Figure 22. Verifying the commissioning

6. The verification procedure changes based on your selection of the verification method.
 - If *Verify Now* was selected as the verification method, the *Notification* screen displays the estimated remaining time to get the registration notification from VersiCloud.

For more information, see [3.1 Register the Charger](#).

The information about the communication status is depicted by the LED in the charger HMI.

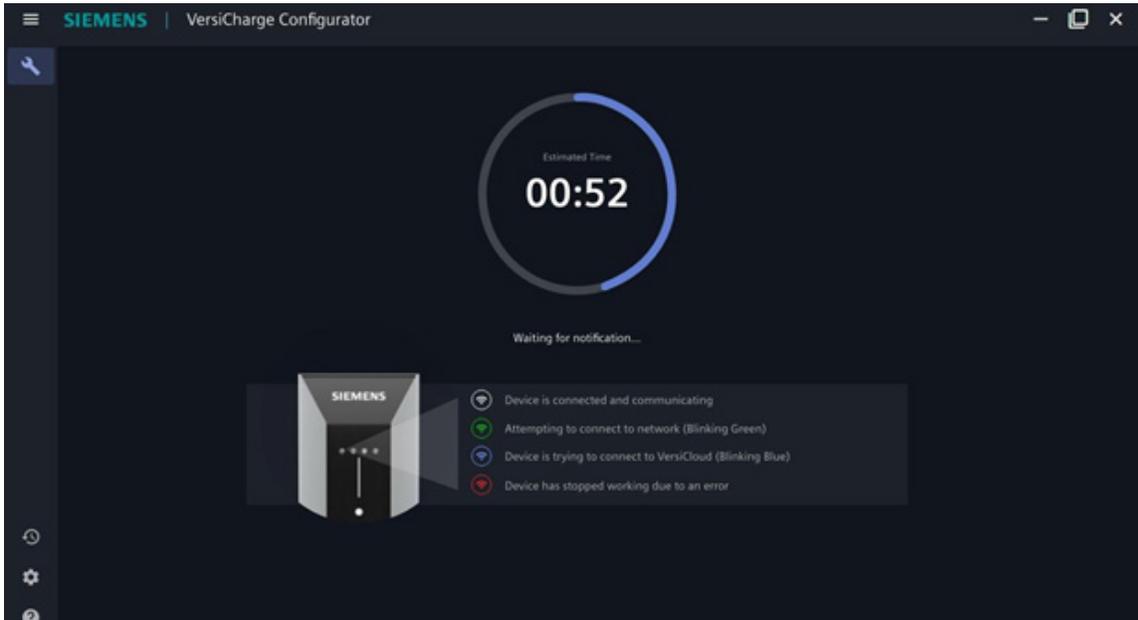


Figure 23. Notification Screen

If you see the Wi-Fi LED blinking with alternate colors, verify whether the connection information you provided is correct and make necessary updates.

The Configuration sent to the device successfully screen appears when the configuration is successful. The serial number and the catalog number appear on the screen.

- Click *Configure Another Charger* to configure another charger.
- Click *Save Charger Configuration* to save the current configuration.

NOTE: The charger may take more than 15 minutes to update the firmware. During the update, the charger will not be-responsive.

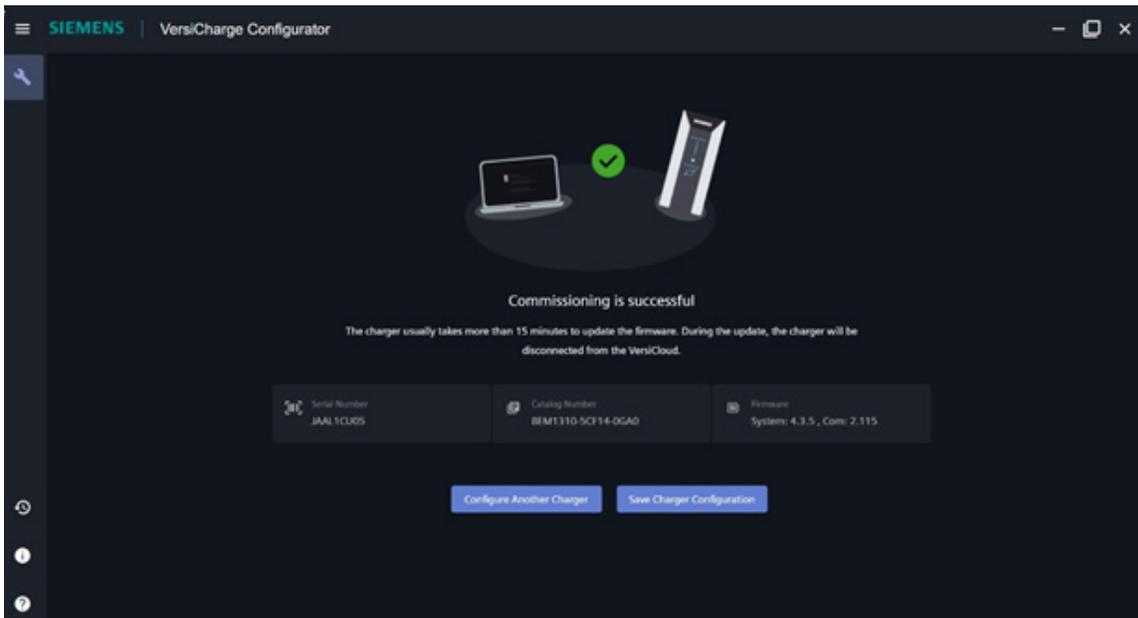


Figure 24. Commissioning is Successful

The Configuration cannot be verified screen appears when the configuration is not verified:

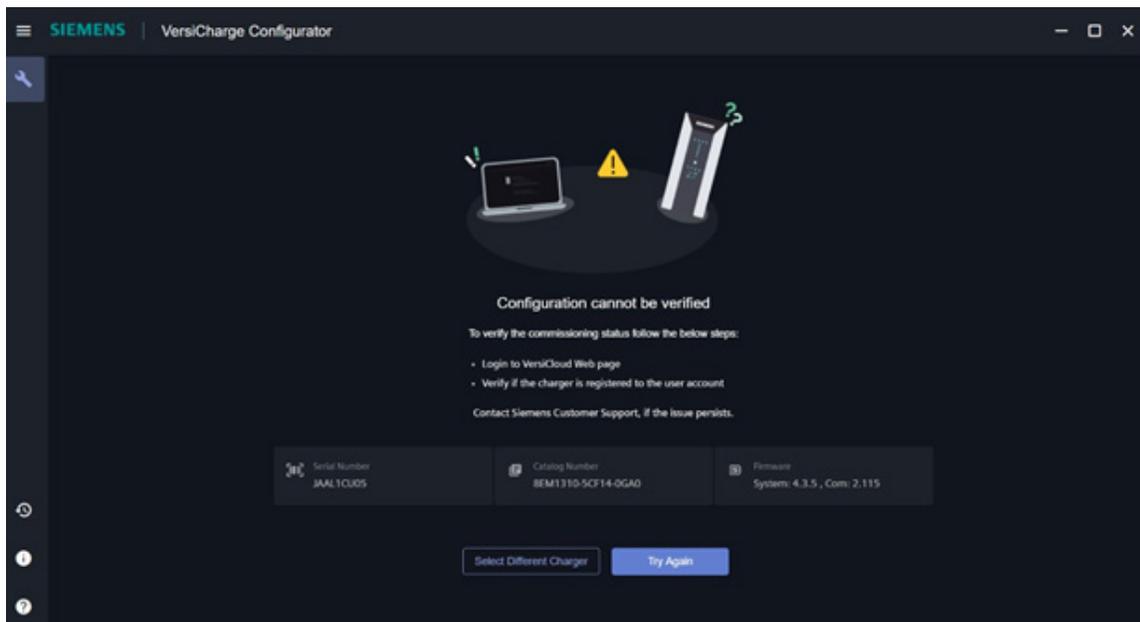


Figure 25. Configuration Cannot Be Verified

- Click **Try Again** to retry sending the configuration to the charger.
- Click **Select Different Charger** to choose a different charger to configure.
- If **Verify Later** was selected as the verification method, verify the commissioning status as per LED status shown on the charger.

The Configuration sent to device successfully screen appears when the configuration is successfully sent to the charger.

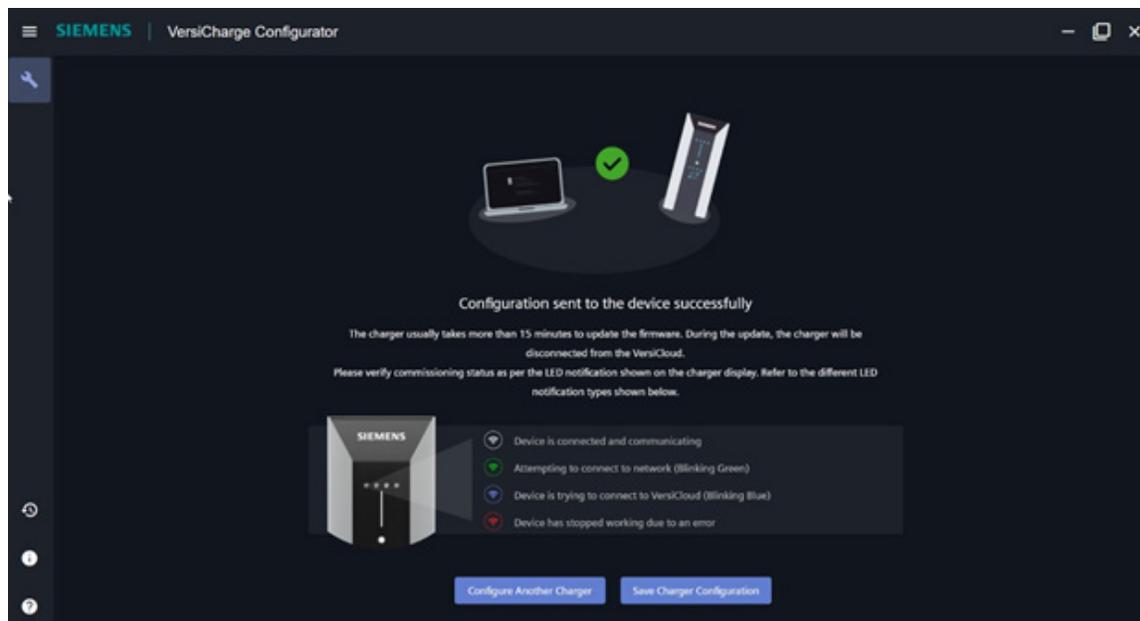


Figure 26. Configuration Sent Successfully

- Click **Configure Another Charger** to configure another charger.
You can also use a configuration file already saved on your computer to configure another charger. For more information on loading a configuration already saved on your computer, see [3.9 Load Configuration](#).
- Click **Send Configuration** to send the configuration to the charger.

NOTE: To reuse a saved configuration to configure another charger, select the *Use previous configuration* checkbox. You will be able to load a configuration file from your local file system.

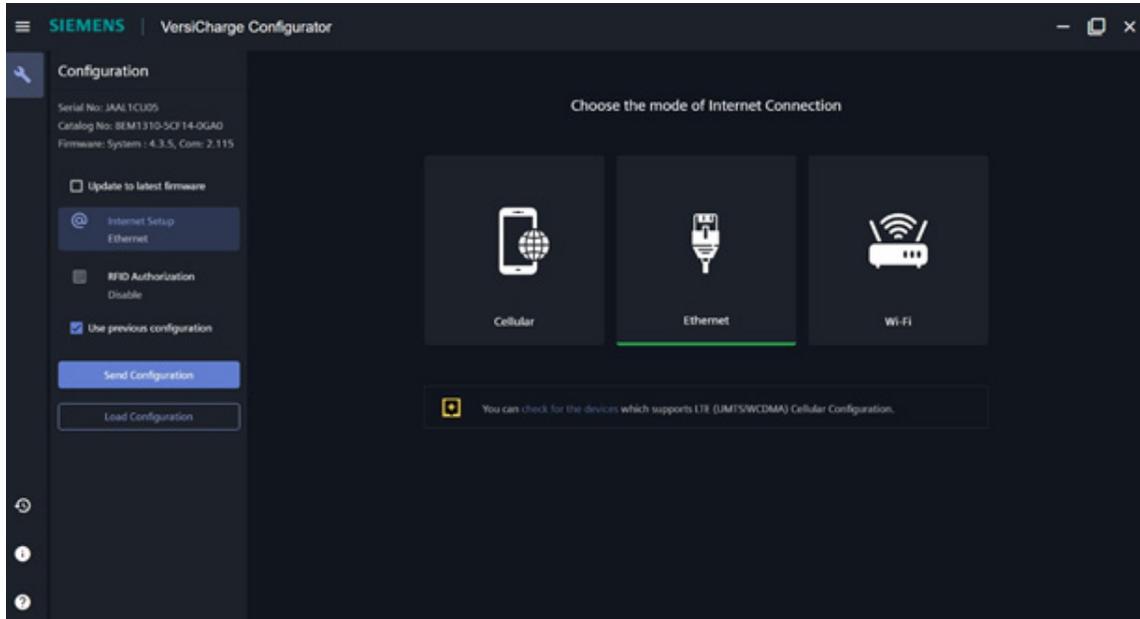


Figure 27. Send Loaded Configuration

After the configuration is complete, log in to VersiCloud and verify that the charger registration is successful, and that the charger has been registered to your account.

3.8 Save Charger Configuration

1. After the charger is commissioned, click *Save Charger Configuration* on the Configuration sent to device successfully screen.

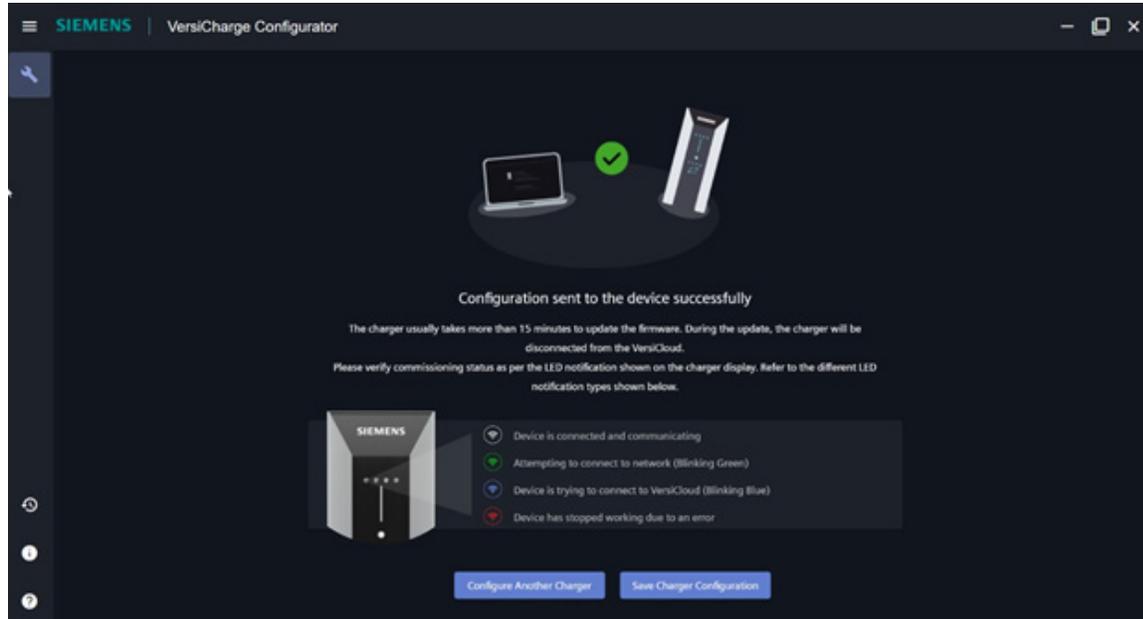


Figure 28. Save Charger Configuration

2. Enter the new password in the *Create Password* and *Confirm Password* fields.

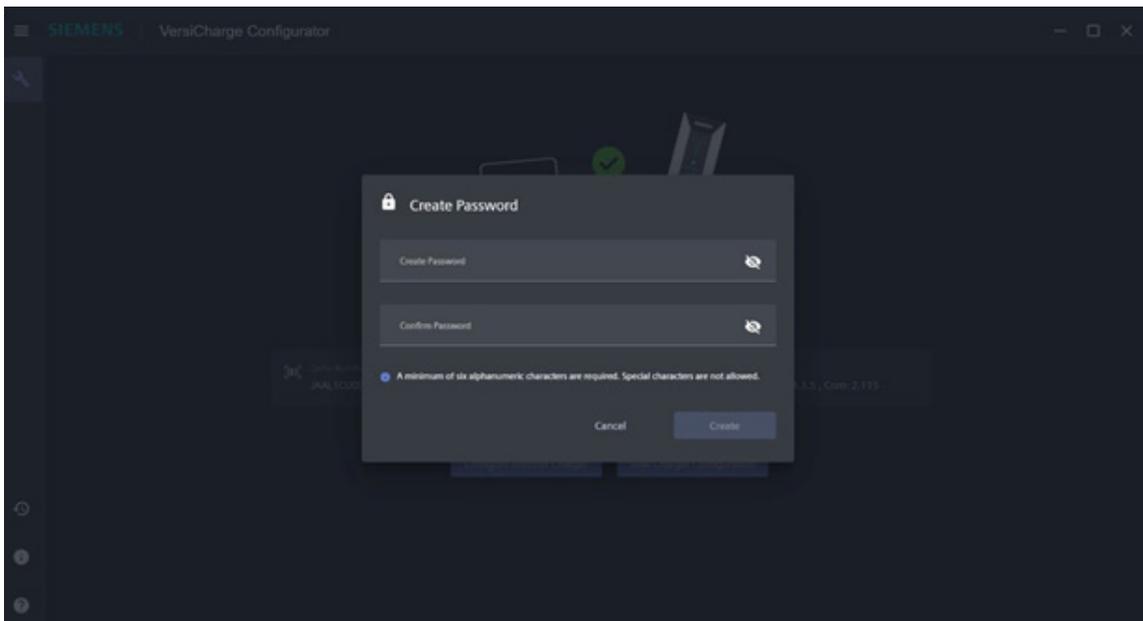


Figure 29. Create Password

3. Click **Create**, choose a drive location or folder to save the configuration file and click **Save**.

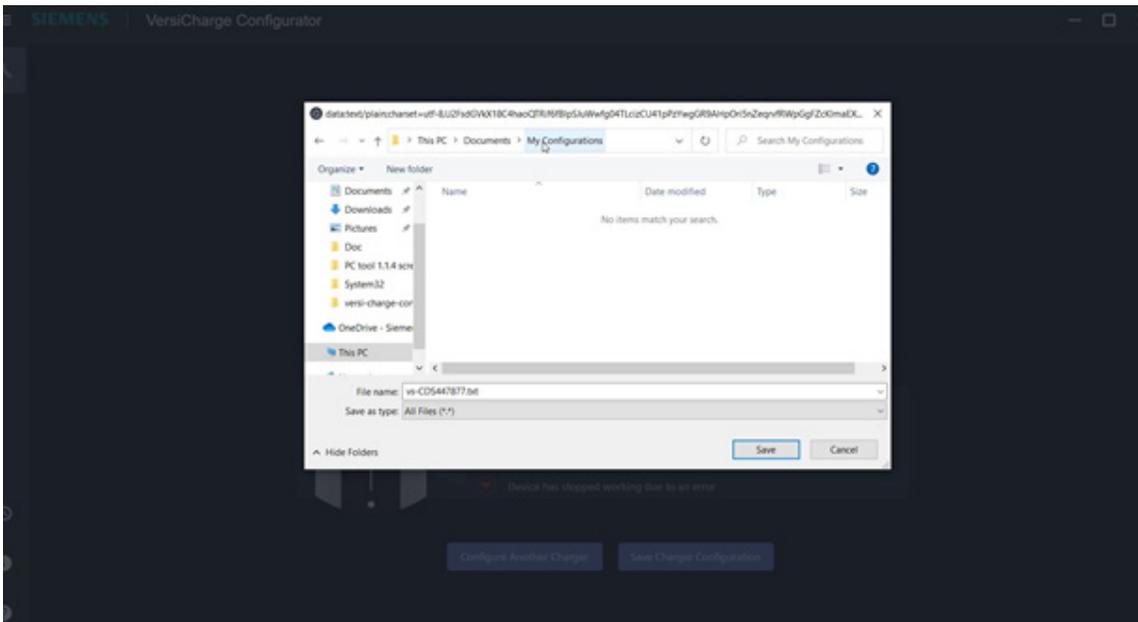


Figure 30. Choose Storage Location

4. Click **Ok** on the confirmation message window.

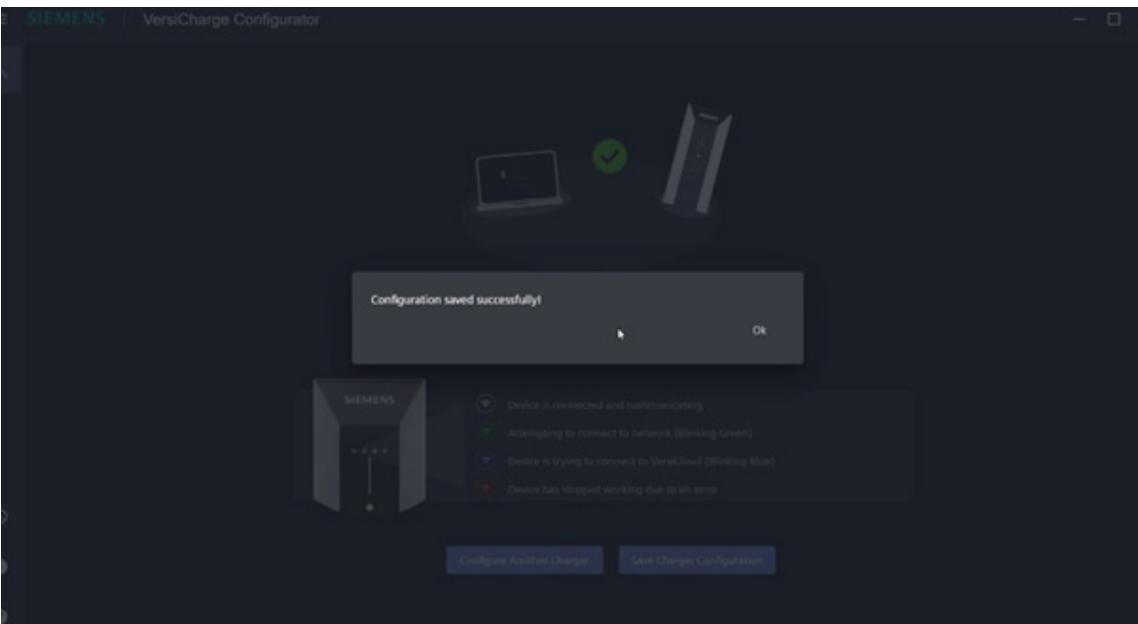


Figure 31. Configuration Saved Successfully

3.9 Load Configuration

1. On the *Configuration pane*, click *Load Configuration*.
The file explorer window opens to show the locally stored files on the computer.

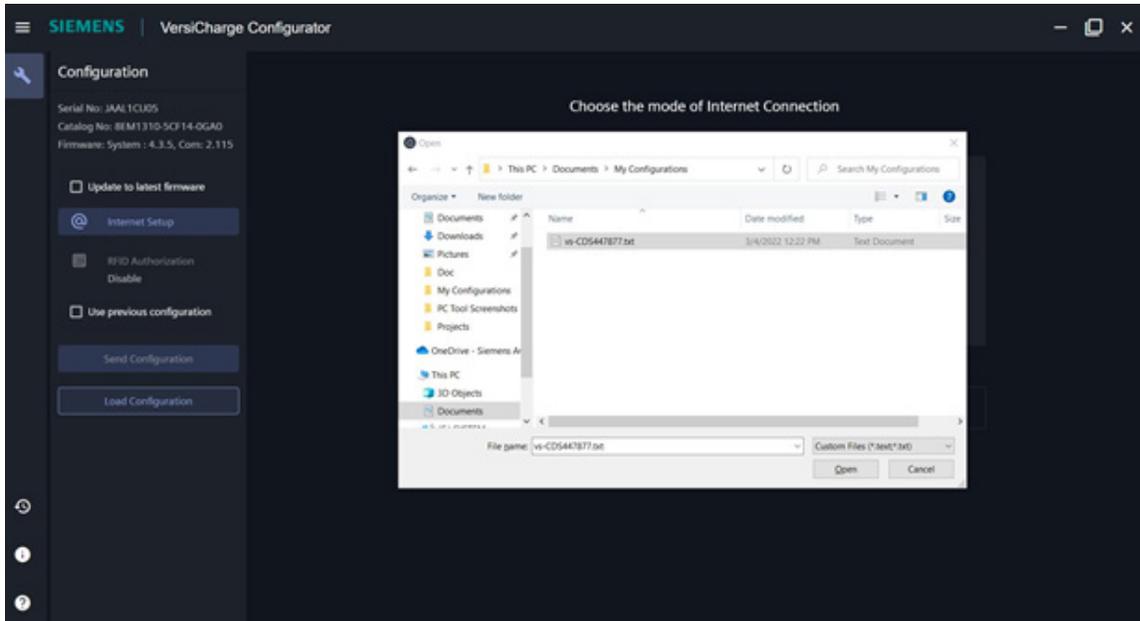


Figure 32. Load Configuration

2. Select the saved configuration file and click *Open*.

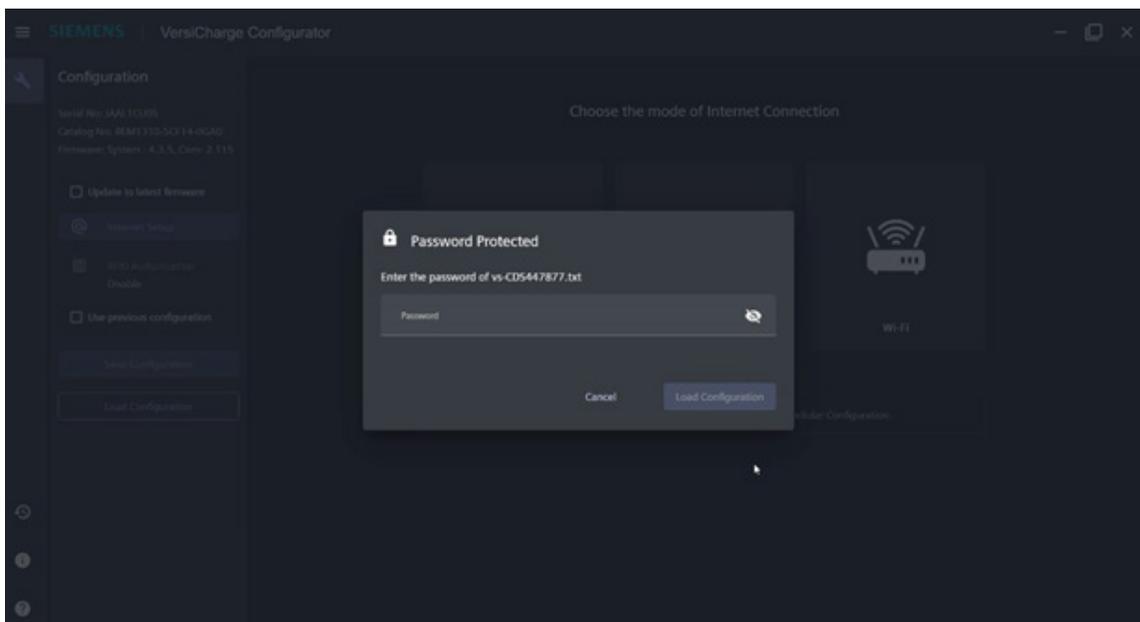


Figure 33. Open Saved Configuration

3. Enter the password and click **Load Configuration**.

The uploaded configuration file appears on the side navigation bar after a successful upload.

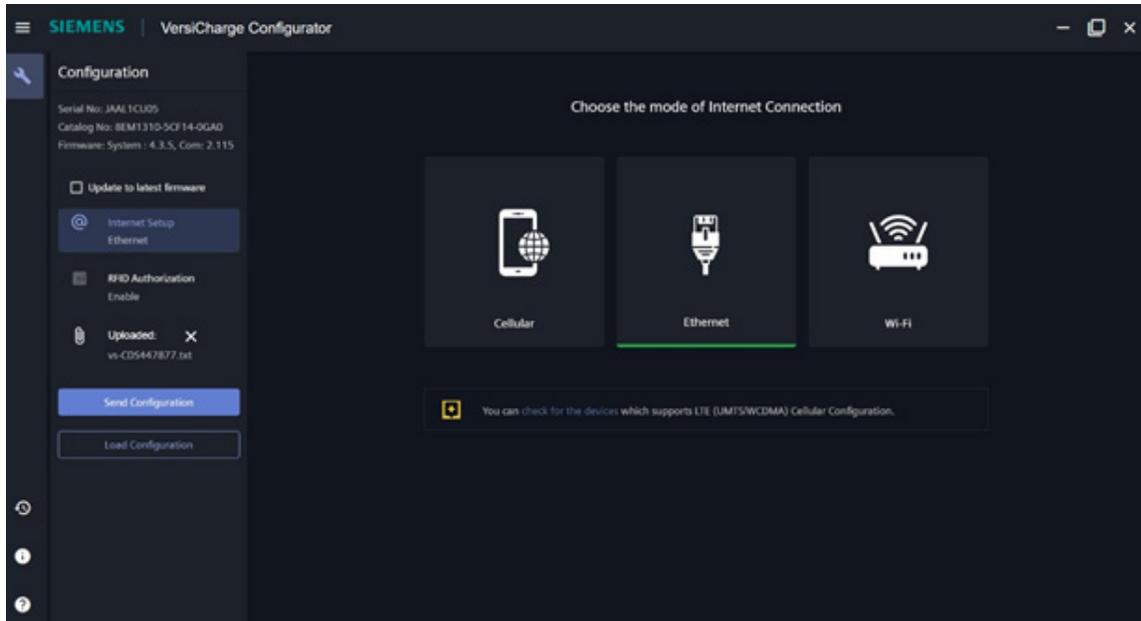


Figure 34. View Loaded Configuration

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