

**SIEMENS**



Configuration Tool User Manual

**VersiCharge™ AC**

Electric vehicle charging station

[usa.siemens.com/versicharge](http://usa.siemens.com/versicharge)



## Table of Contents

VersiCharge Chargers	3
VersiCharge Basic Charger Configuration	3
Configure a Basic Charger	4
VersiCharge Advanced Charger Configuration	7
Register the Charger	8
Connect the Charger	9
Configure the Charger in Ethernet Mode	11
Configure the Charger in Cellular Mode	14
Configure the Charger in Wi-Fi Mode	17
Appendix – A	20

## VersiCharge Chargers

VersiCharge Charger models can be either basic or advanced based on features. See Appendix A for the definition and related part numbers of basic and advanced models. Basic chargers are connected to system through a serial port or a USB port. They are standalone chargers and not connected to VersiCloud. Advanced chargers are connected over Wi-Fi, Ethernet, or mobile network to VersiCloud. You can connect to these chargers from a system over their built-in Wi-Fi connection for configuration. You can configure VersiCharge Chargers with the VersiCharge Configurator application, a Windows application.

The following chargers are basic chargers supported by the VersiCharge Configurator:

- UL Commercial ModBus Only Child Basic 40A (8EM1310-4CF11-0BA0)
- UL Commercial ModBus Only Child Basic 48A (8EM1310-5CF11-0BA0)
- VersiCharge Commercial UL Child 40A (8EM1310-4CF14-0GA0)
- VersiCharge Commercial UL Child 48A (8EM1310-5CF14-0GA0)

The following chargers are advanced chargers supported by the VersiCharge Configurator:

- VersiCharge Commercial UL Parent 40A (8EM1310-4CF14-1GA1)
- VersiCharge Commercial UL Parent 48A (8EM1310-5CF14-1GA1)

Choose the configuration based on the type of charger.

You can click on the help icon on the Configurator application to view the user manual and get help on configuration.

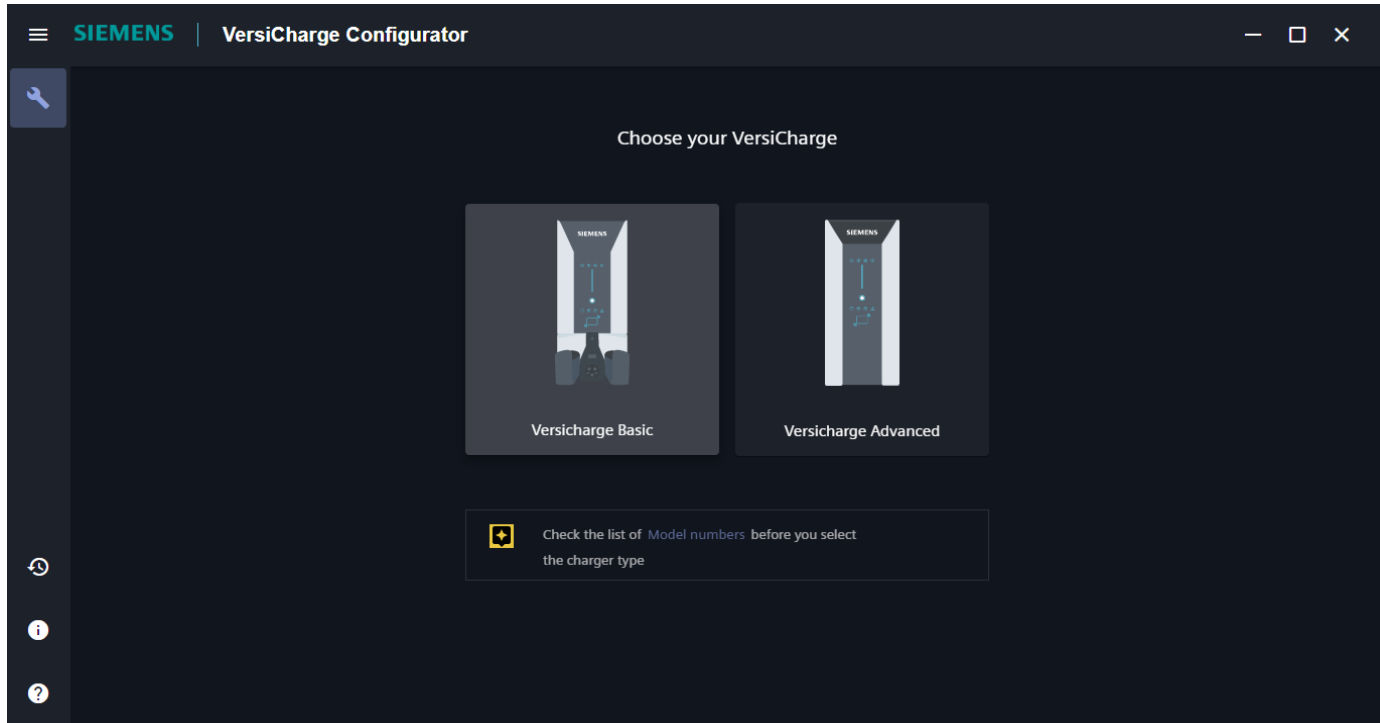
## VersiCharge Basic Charger Configuration

The basic charger supports only ModBus RTU protocol for communication. You can configure a basic charger connected to the serial port or the USB port. Ensure that the charger is connected to a Serial/RS485 adapter or USB/RS485 adapter before configuration. You can view the serial ports from the Device Manager in Windows.

## Configure a Basic Charger

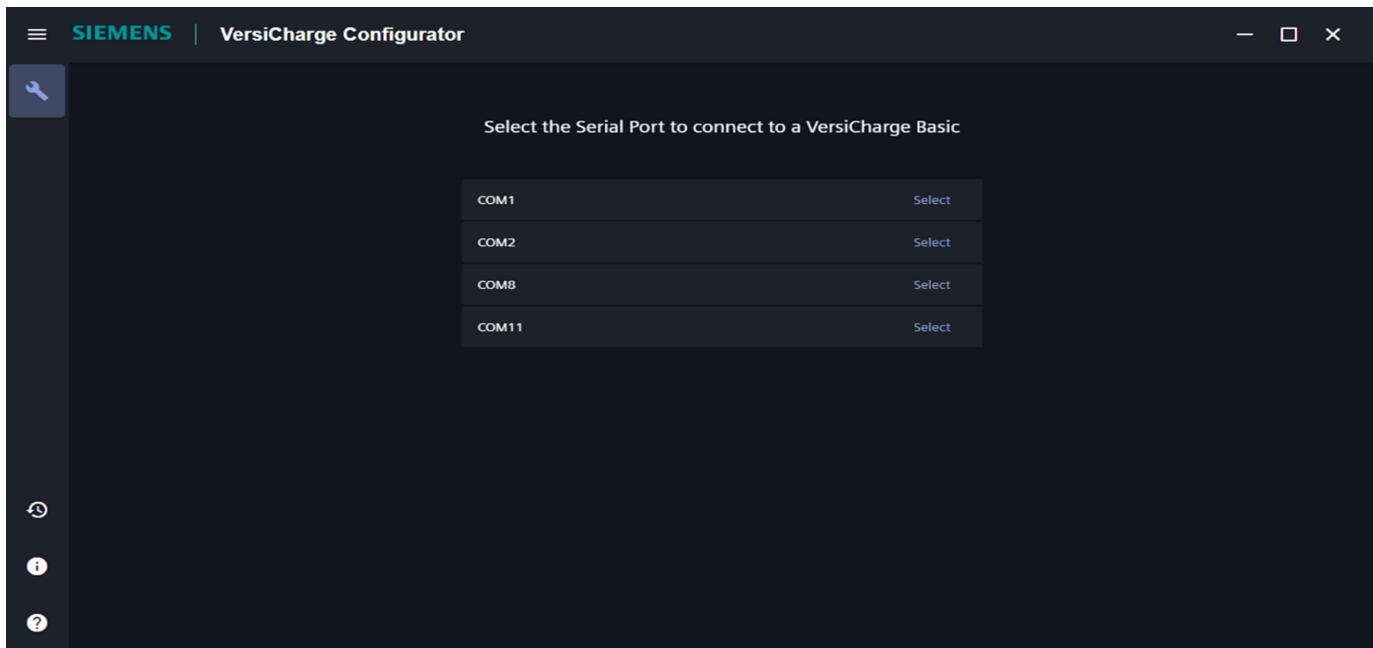
Perform the following steps to configure a basic charger.

1. Click on VersiCharge-Configurator from the start menu to launch VersiCharge Configurator.

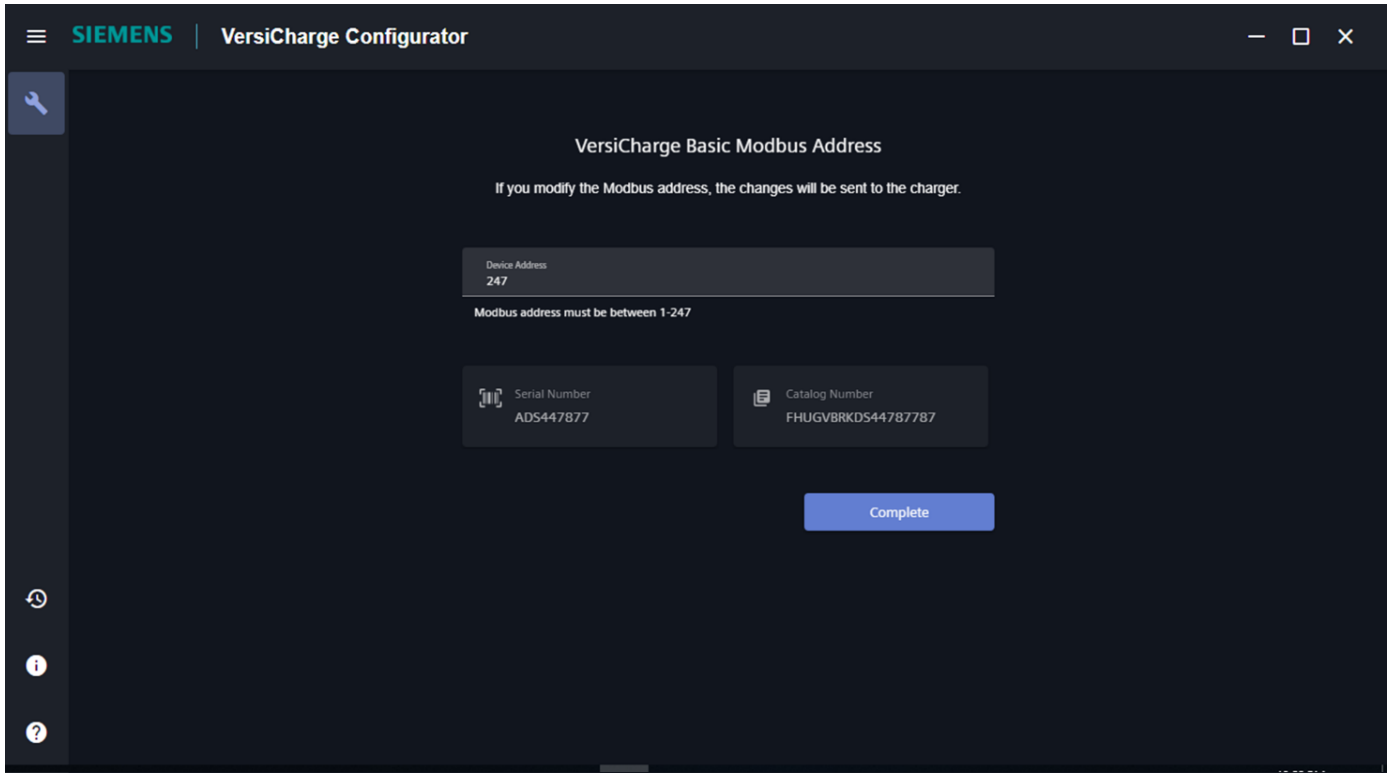


Note: Click Model numbers to view the supported models so that you can choose the type of charger.

2. Click VersiCharge Basic. The list of active serial ports in the system appears in a drop-down list.



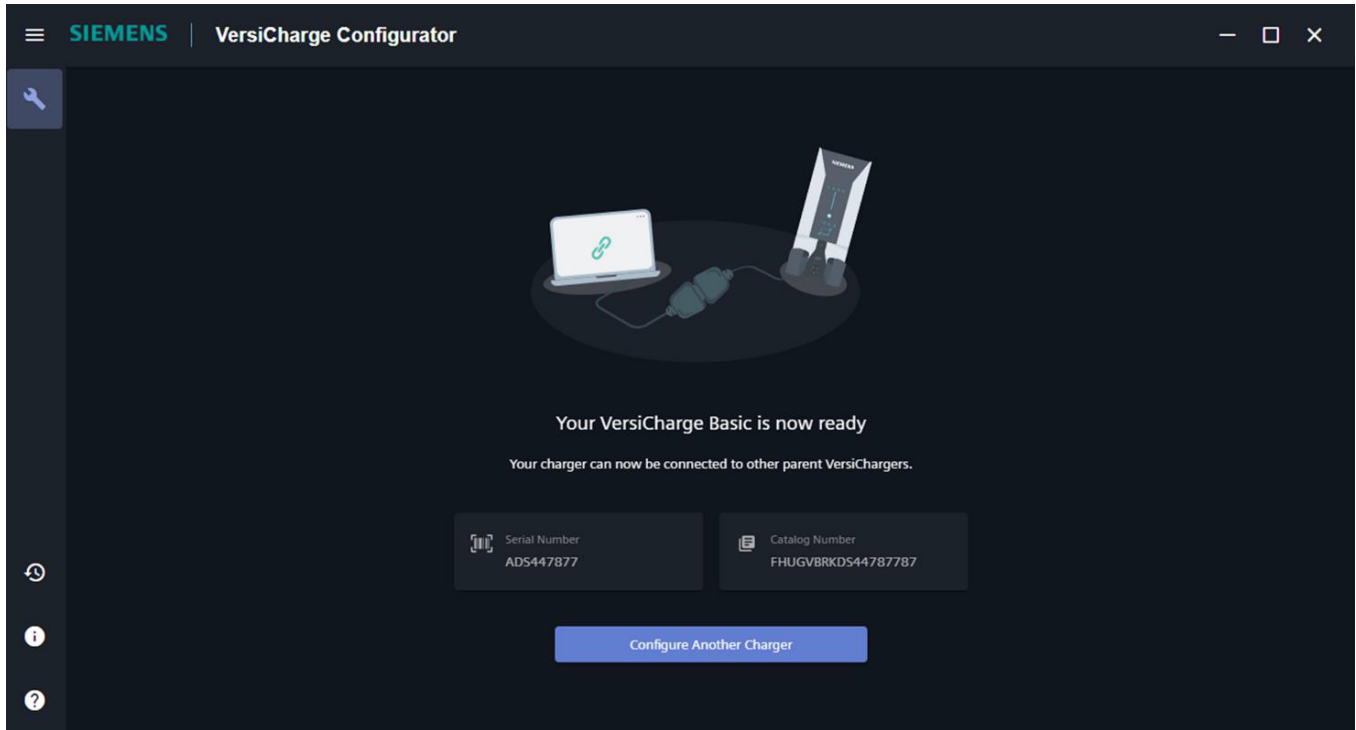
3. Select the serial port to which the charger is connected. The tool performs a search and detects the charger. The following details appear:
  - Device Address: The ModBus device address which is used to communicate with the charger. The default value is 2. The value must be between 1 and 247.
  - Serial Number: The unique serial number of the charger. This field is read-only.
  - Catalog Number: The catalog number of the charger. This field is read-only.



If the charger you want does not appear, click the Reset Configuration icon on the bottom of the left navigation pane to restart the configuration.

4. To set a ModBus device address other than the default, enter the ModBus device address and click Complete. The charger does not need to be power cycled for the new ModBus device address to be effective.

5. Click Configure Another Charger to perform the configuration for another charger.



6. After you complete the configuration, log in to VersiCloud and verify whether the charger registration is successful, and the charger has been mapped to your account.

## VersiCharge Advanced Charger Configuration

You can configure the VersiCharge Advanced Charger over the network. Use the following connections to configure the charger:

- Ethernet
- Wi-Fi
- Cellular

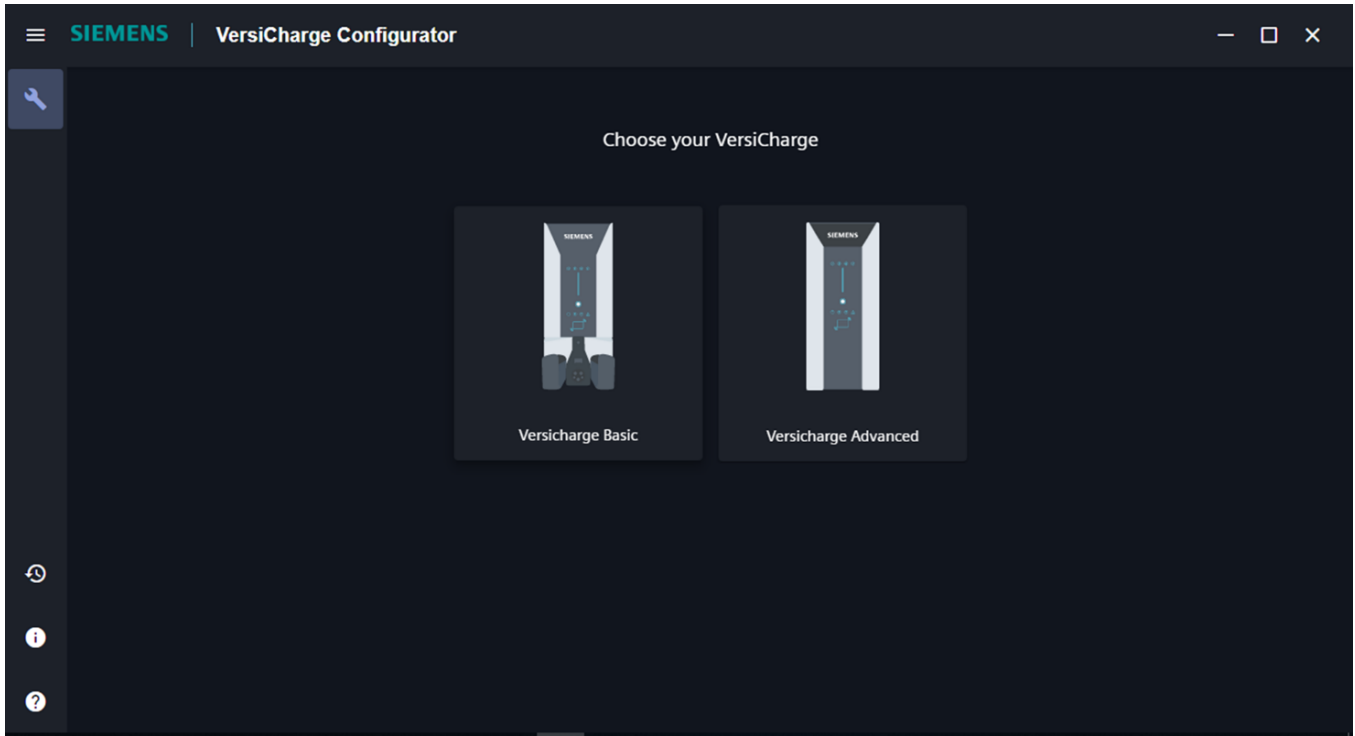
VersiCharge Advanced Charger configuration consists of the following tasks:

- Register the Charger
- Connect to the Charger
- Configure the Charger

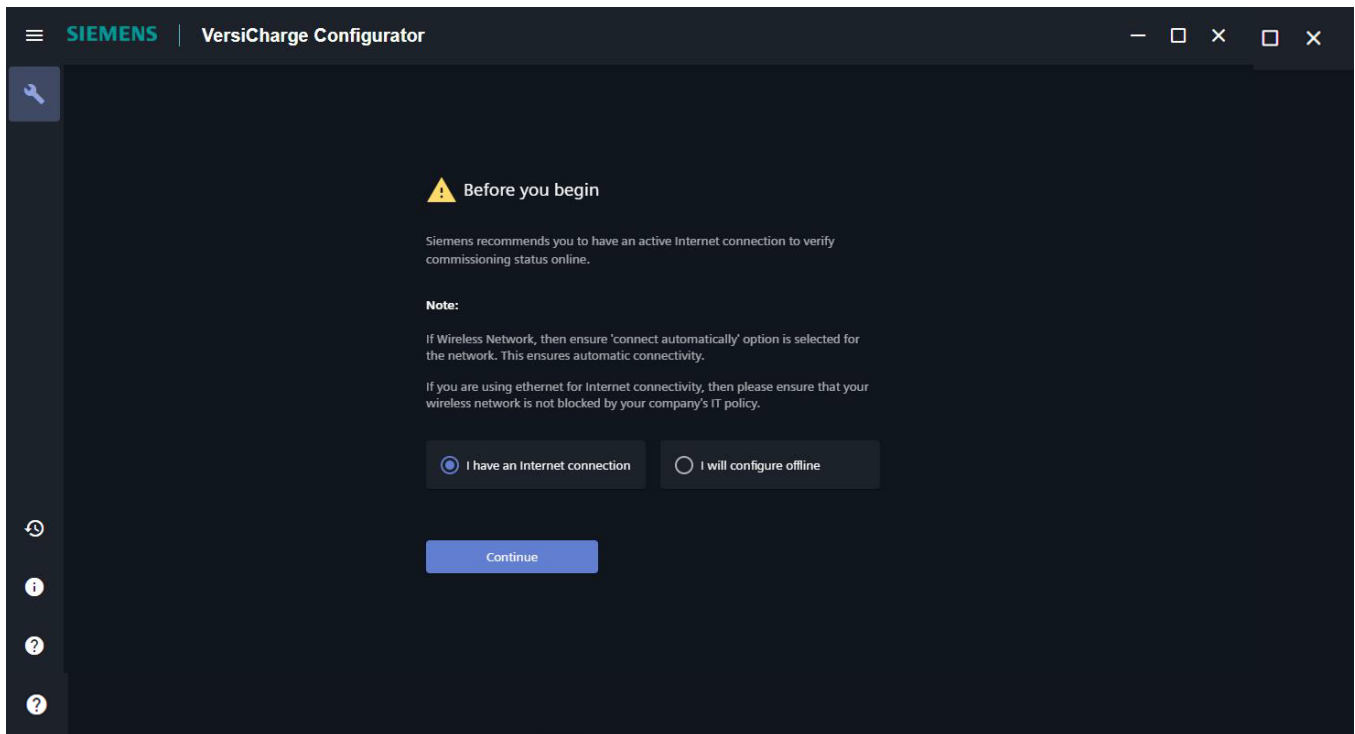
## Register the Charger

Register the charger before the configuration of the advanced charger.

1. Open VersiCharge Configurator.

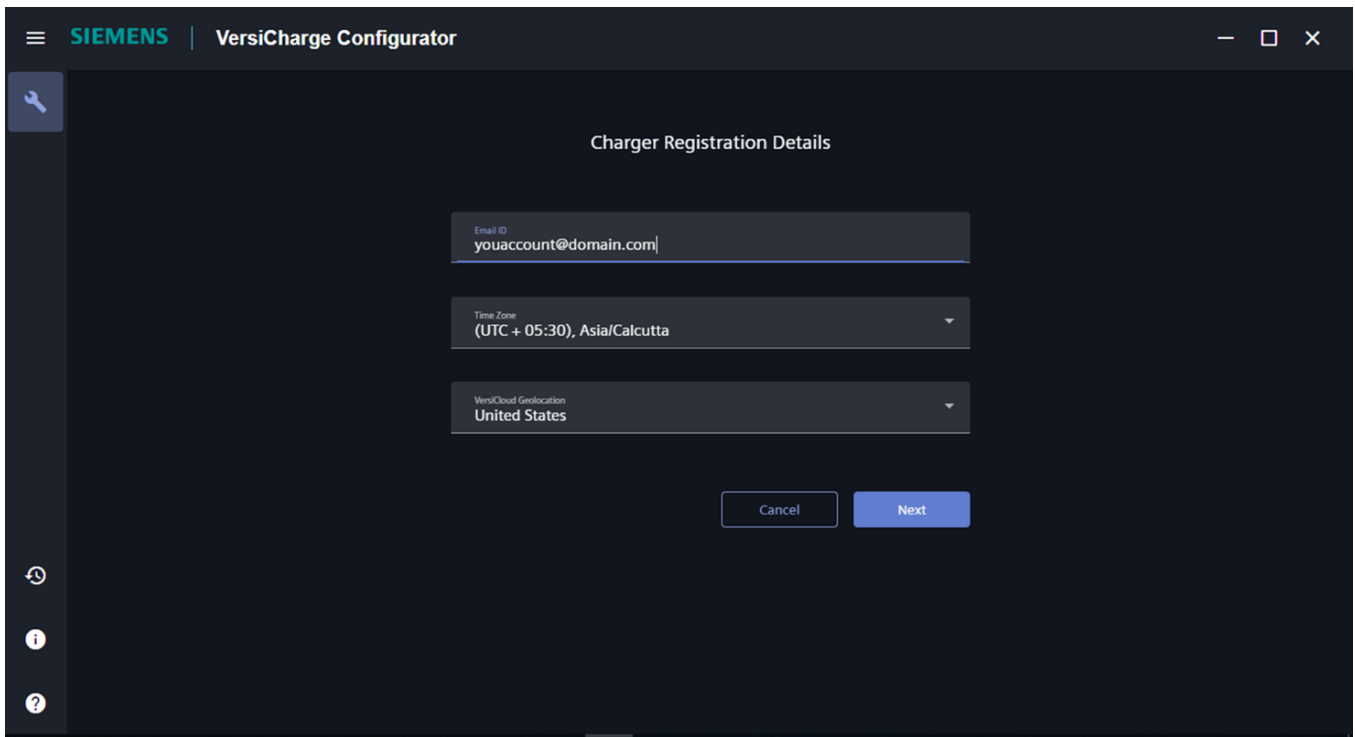


2. Click VersiCharge Advanced. The Before you Begin screen appears.



3. Select whether you want the tool to verify the status of commissioning in VersiCloud after you complete the configuration.  
If you select I have an Internet connection, the tool verifies the configuration in VersiCloud after you complete the configuration.  
If you select I will configure offline, you must verify the configuration in VersiCloud after you complete the configuration.
4. Click Continue.

5. Click Charger Registration Details screen appears.



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### Charger Registration Details

Email ID  
youaccount@domain.com

Time Zone  
(UTC + 05:30), Asia/Calcutta

VersiCloud Geolocation  
United States

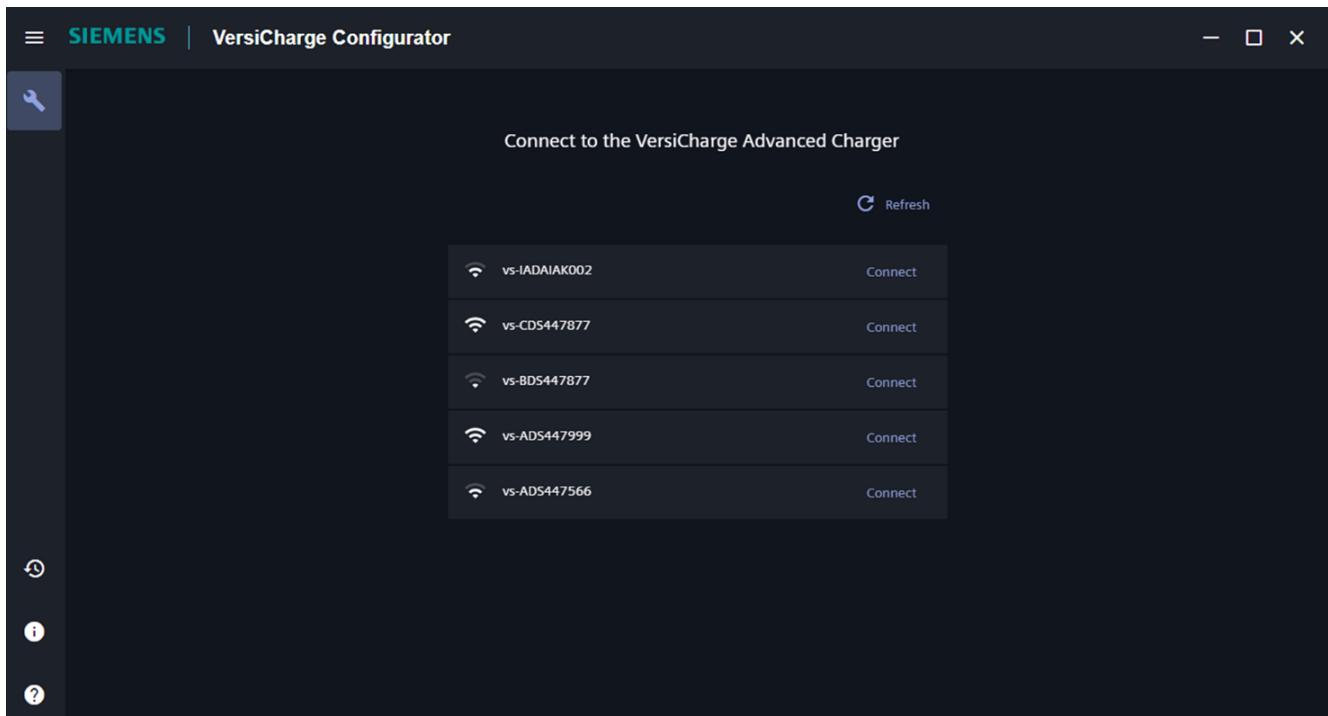
Cancel Next

6. Enter the registered Email ID. The Email ID should be registered in VersiCloud before you attempt to configure the charger.
7. Select the time zone of the charger from the drop-down list.
8. Select the VersiCloud geolocation to which the charger belongs. Choose between United States and non-United States.
9. Click Next to continue the configuration and connect to the charger.

## Connect the Charger

Perform the following steps to connect to the charger.

1. Register the charger. For more information, see Register the Charger in this manual.
2. Connect to the Wi-Fi endpoint of the charger that you want to configure.



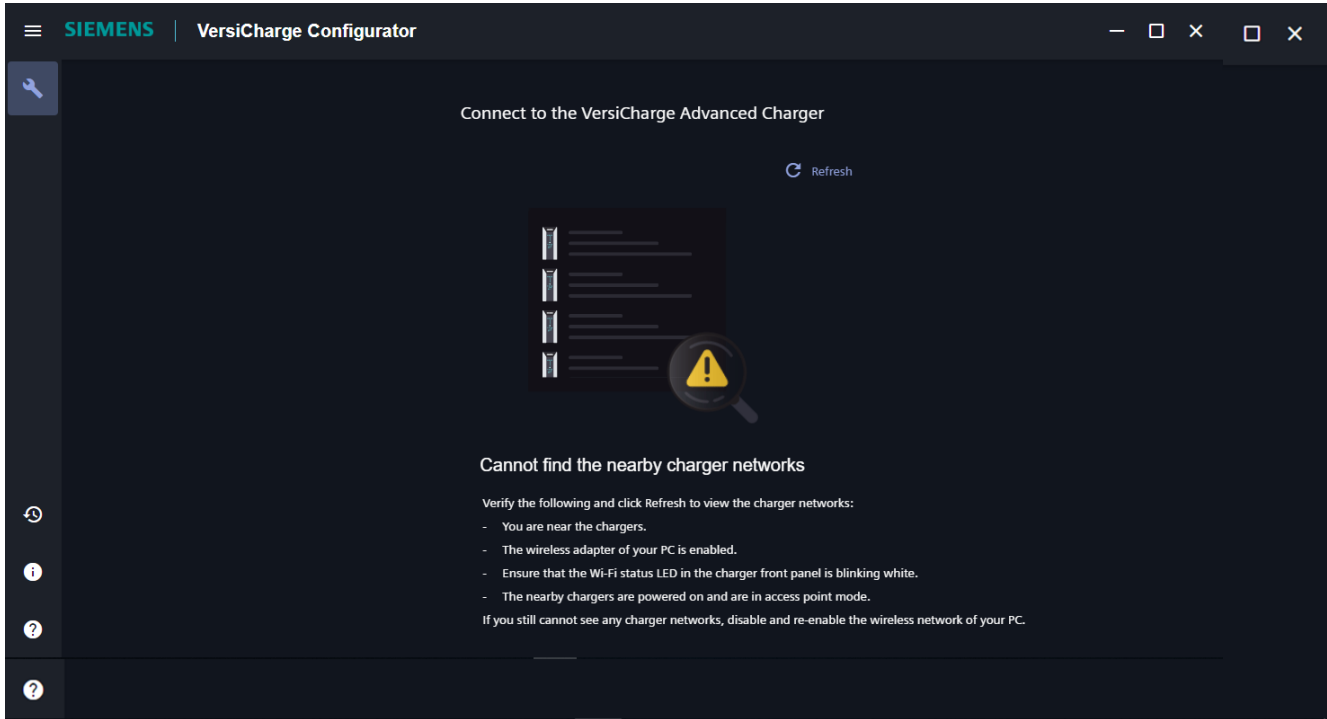
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### Connect to the VersiCharge Advanced Charger

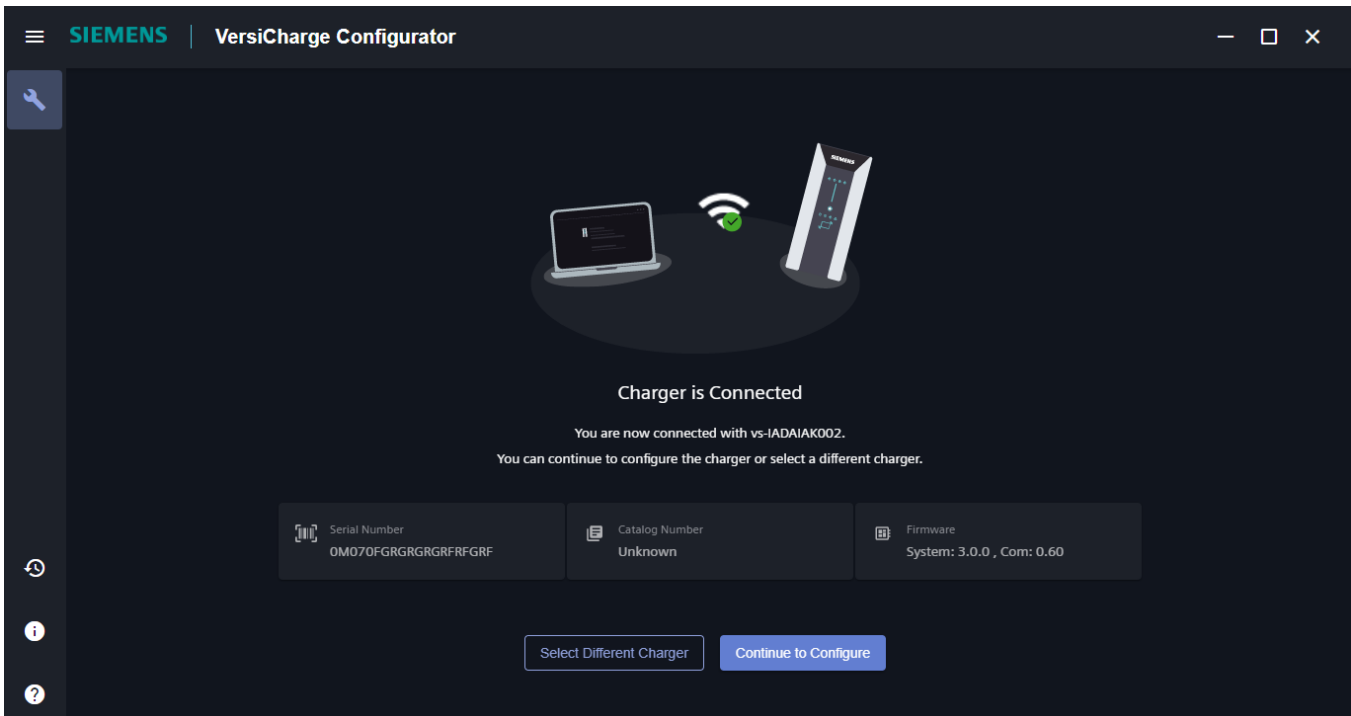
Refresh

vs-IADAIAK002	Connect
vs-CDS447877	Connect
vs-BDS447877	Connect
vs-ADS447999	Connect
vs-ADS447566	Connect

Click Refresh if the endpoint is not visible.



3. The connection successful message appears along with the serial number and catalog number of the charger. Click Select Different Charger if you connected to the wrong charger.



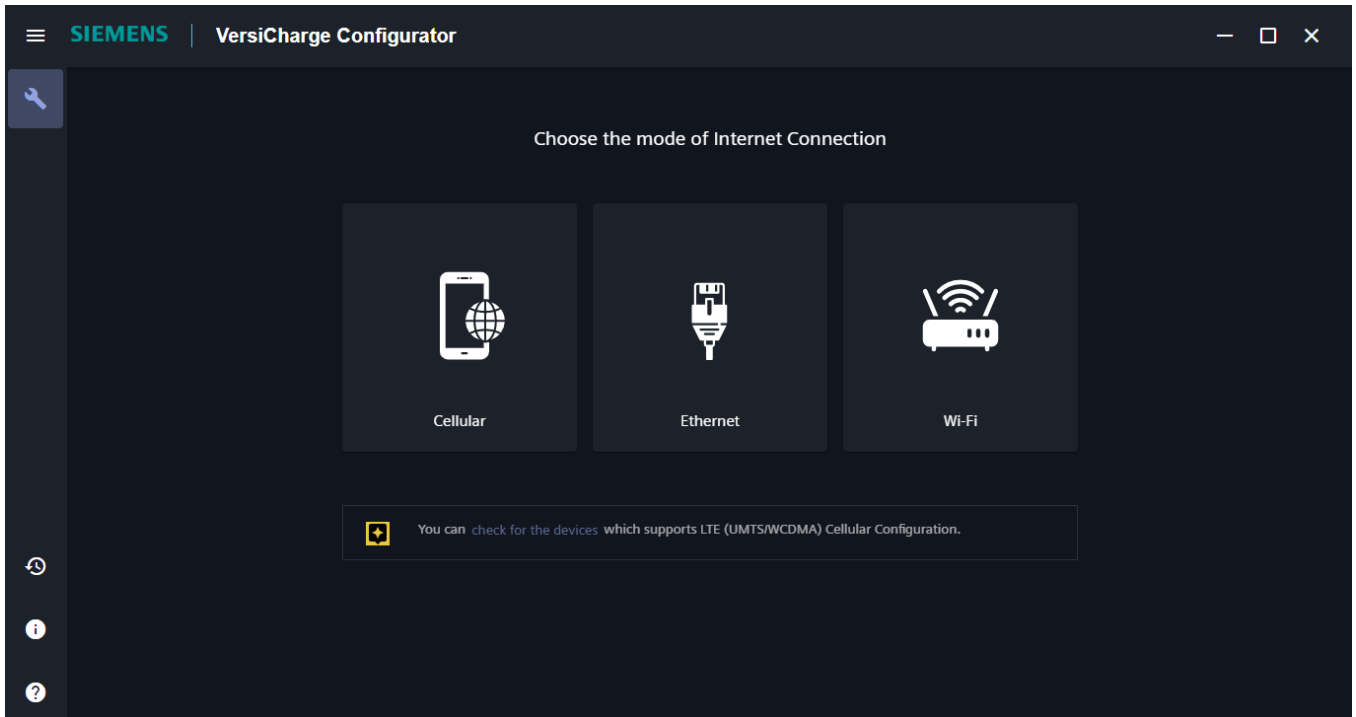
4. Click Continue to Configure to continue with the configuration.

## Configure the Charger in Ethernet Mode

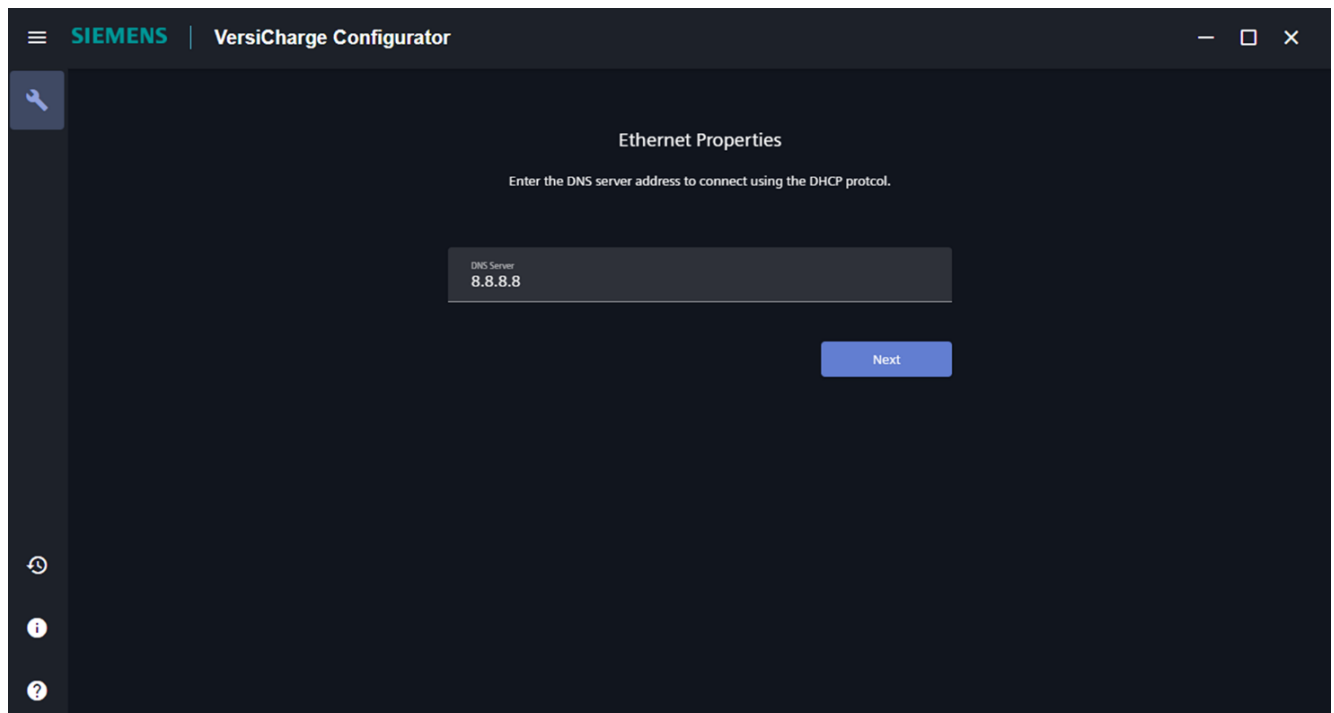
NOTE: Ensure that the Ethernet cable is connected to the charger.

Perform the following steps to configure the charger in the Ethernet mode.

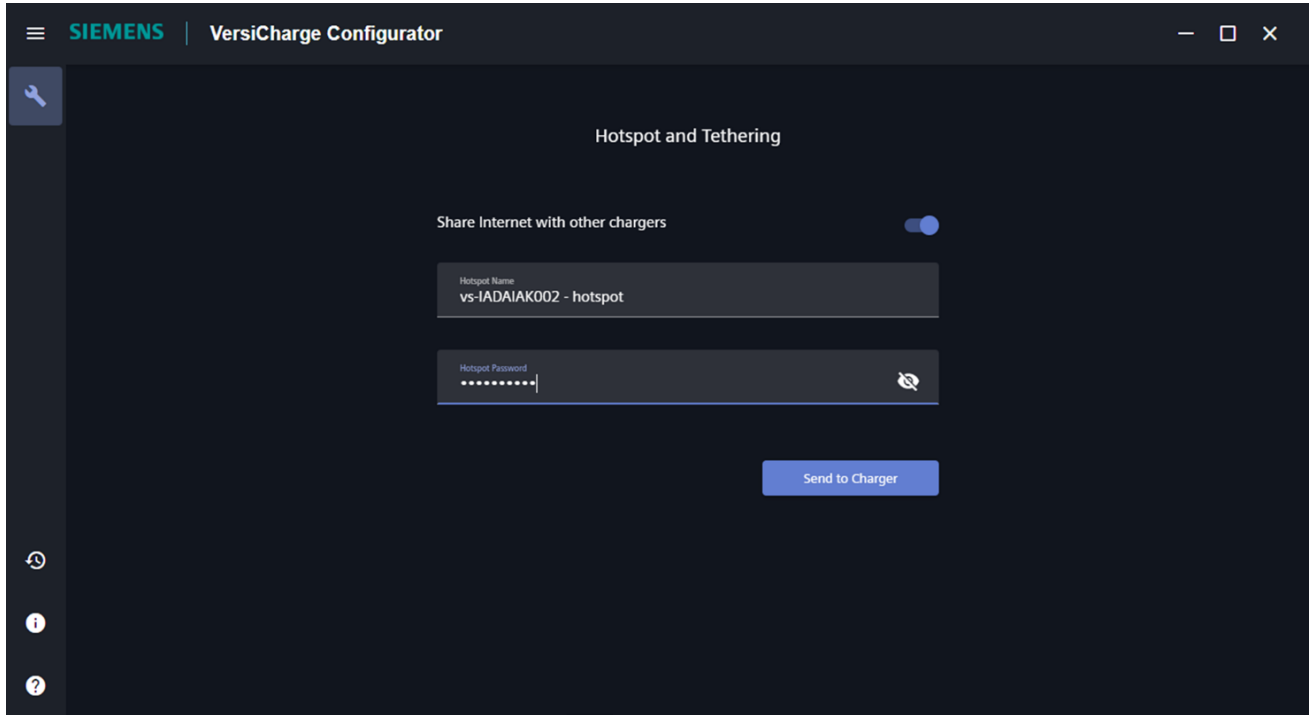
1. Register the charger. For more information, see Register the Charger in this manual.
2. Connect to the charger. For more information, see Connect to the Charger in this manual.
3. Select Ethernet in the *Choose Internet Connection* screen.



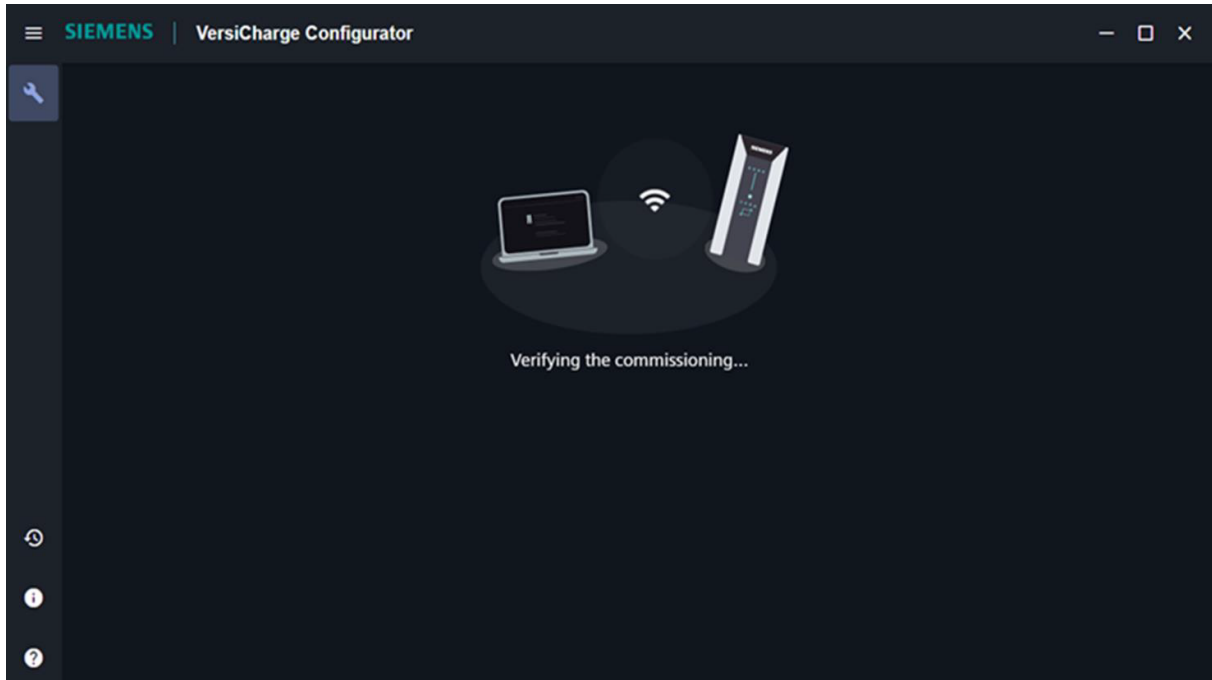
4. Enter the DNS address to connect using the DHCP protocol in the *Ethernet Properties* screen.



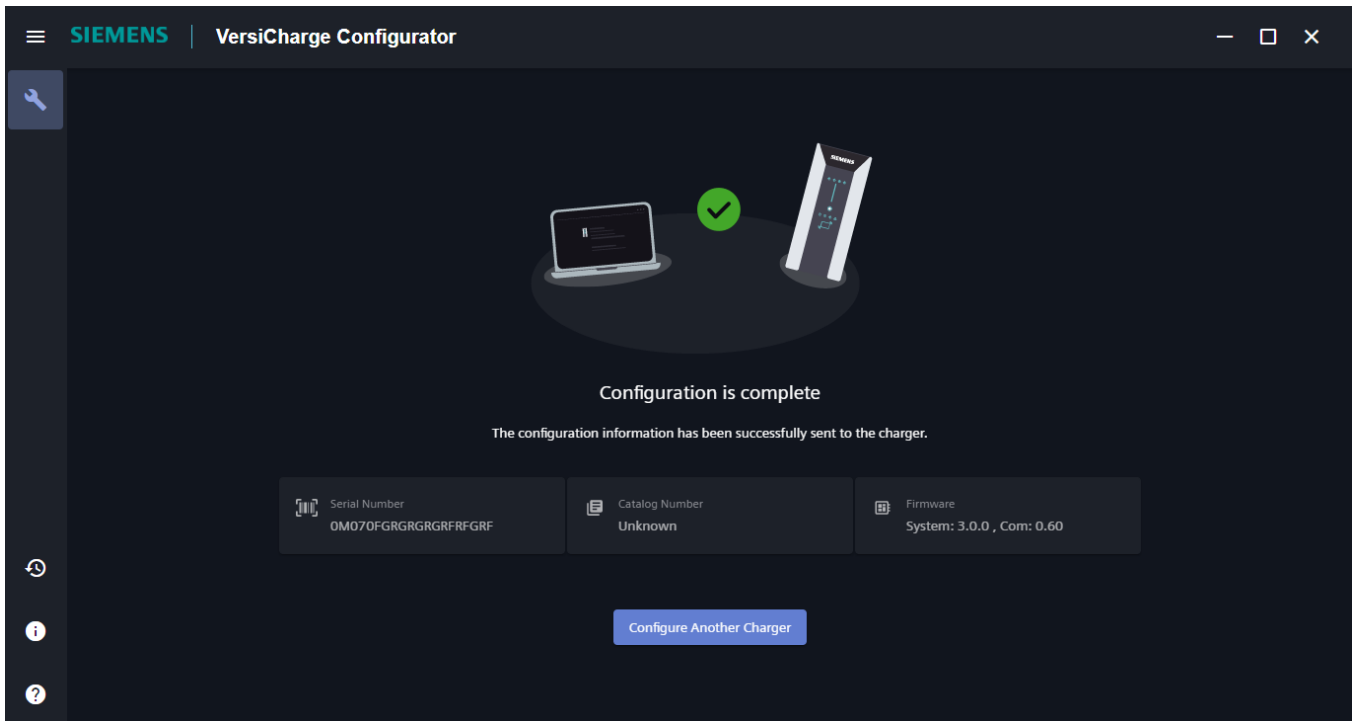
5. Enable *Share Internet with other chargers* and set the authentication information, if you wish to share the Internet connection of this charger with other chargers.



6. Click *Send to Charger* to send the configuration information to the charger. The charger verifies the commissioning and registration.



- The following screen appears, if the configuration is successful. The serial number and the catalog number appears on the screen.
- Click Configure Another Charger to configure another charger.

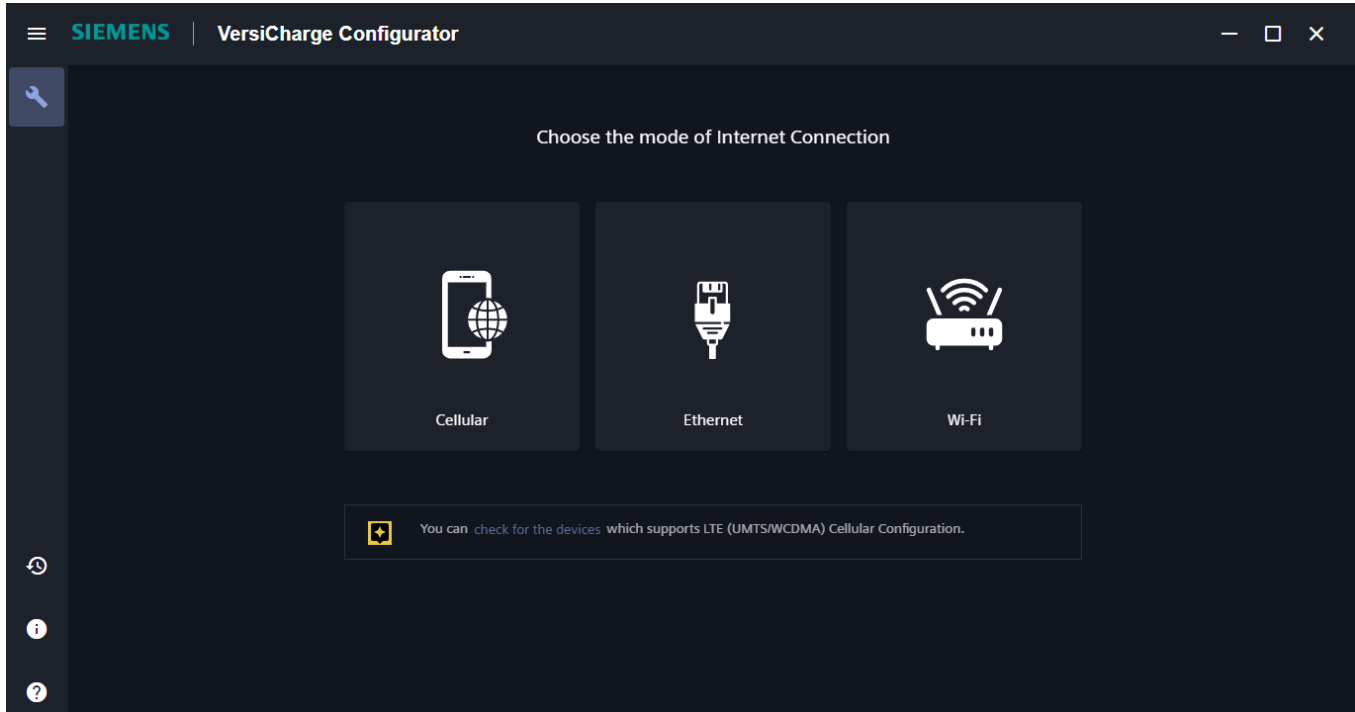


- After you complete the configuration, log in to VersiCloud and verify whether the charger registration is successful, and the charger has been mapped to your account.

## Configure the Charger in Cellular Mode

NOTE: Ensure that you insert the SIM card in the charger before you configure the charger. Perform the following steps to configure charger in the cellular mode.

1. Register the charger. For more information, see Register the Charger in this manual.
2. Connect to the charger. For more information, see Connect to the Charger in this manual.
3. Select Cellular in the *Choose Internet Connection* screen.



NOTE: Click check for the devices to view the devices that support LTW cellular configuration.

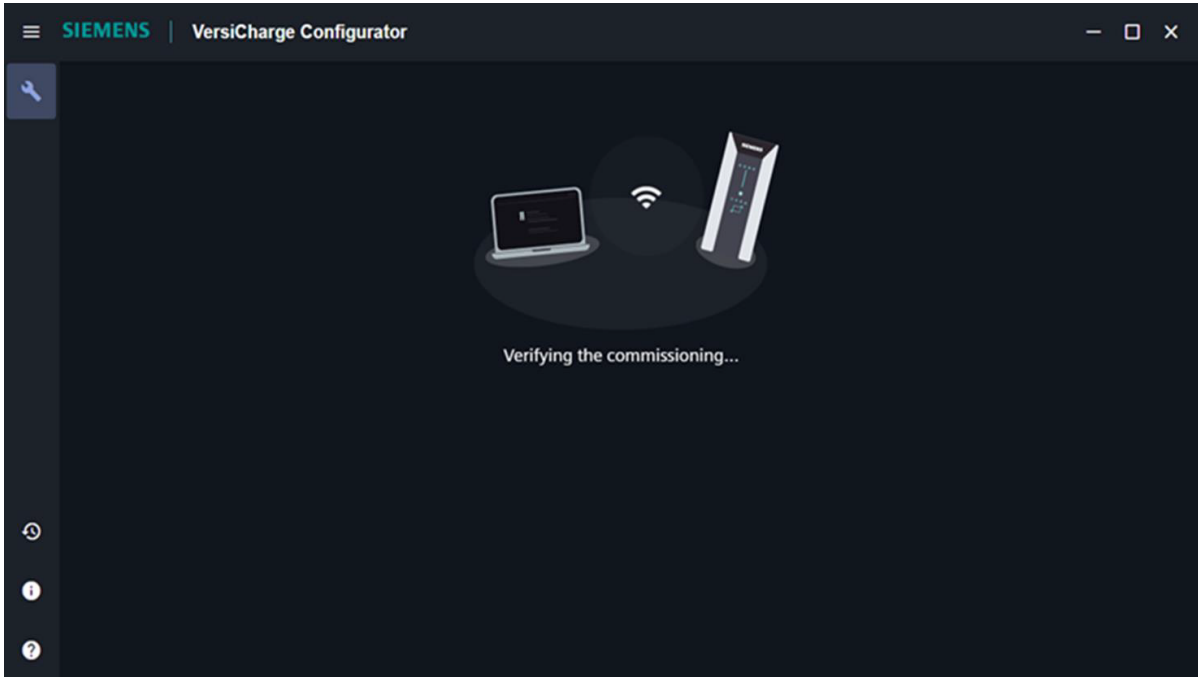
4. Enter the following details in the *Cellular Mode Configuration* screen:
  - Modem Dial String
  - APN
  - Authentication InformationThe authentication information is not mandatory, if the cellular connection automatically connects to the Internet.
5. Click Next.

The screenshot shows the 'Cellular Mode Configuration' screen in the VersiCharge Configurator. The interface is dark-themed. At the top, the Siemens logo and 'VersiCharge Configurator' are visible. The main content area contains several input fields: 'Modem Dial String' with the value '989898978927', 'APN' with the value 'Vodadone', 'Use authentication' (a toggle switch that is turned on), 'Username' with the value 'Vodafone', and 'Password' (masked with dots). Below these fields is an information icon and a note: 'After you send the configuration details to the charger, the SIM card is automatically activated.' A 'Next' button is located at the bottom right of the configuration area. On the left side, there is a vertical sidebar with icons for settings, refresh, information, and help.

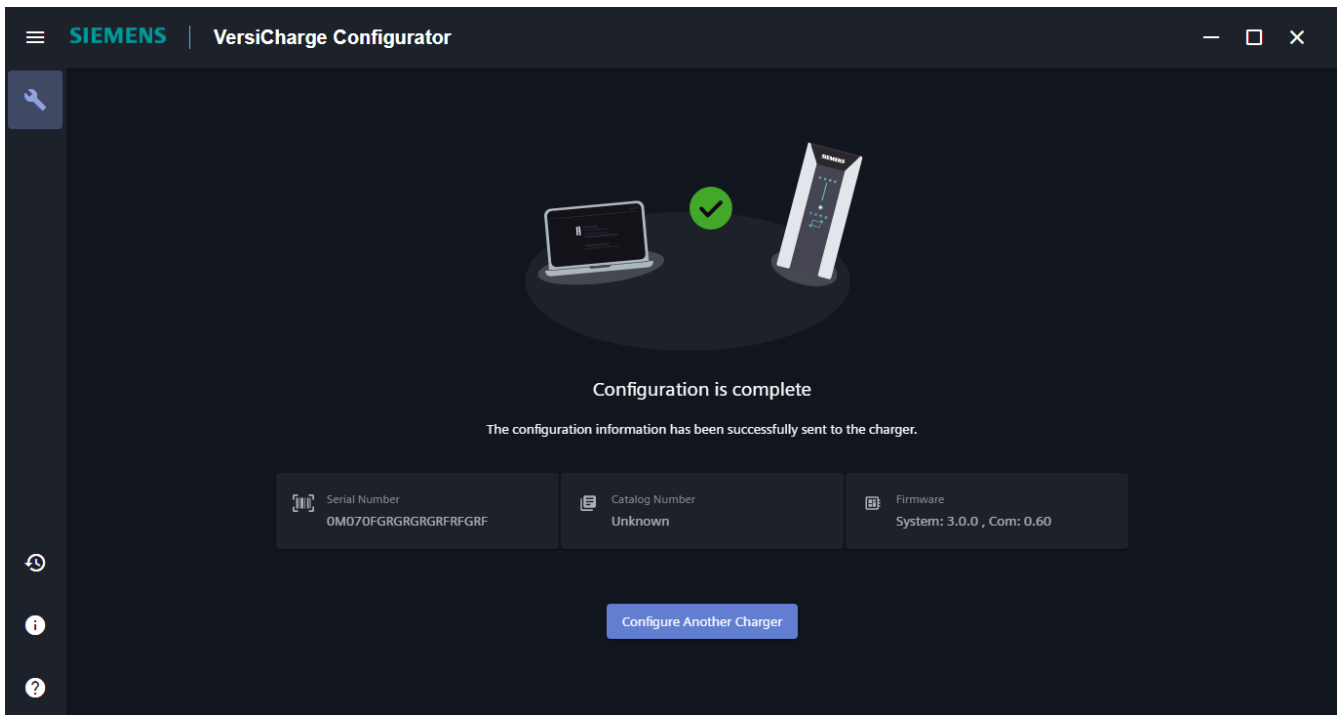
6. Enable *Share Internet from Cellular Data* and set the authentication information if you wish to share the Internet connection of this charger to other chargers.

The screenshot shows the 'Hotspot and Tethering' screen in the VersiCharge Configurator. The interface is dark-themed. At the top, the Siemens logo and 'VersiCharge Configurator' are visible. The main content area contains a toggle switch for 'Share Internet with other chargers' which is turned on. Below this are two input fields: 'Hotspot Name' with the value 'vs-IADAIAK002 - hotspot' and 'Hotspot Password' (masked with dots). A 'Send to Charger' button is located at the bottom right of the configuration area. On the left side, there is a vertical sidebar with icons for settings, refresh, information, and help.

7. Click *Send to Charger* to send the configuration information to the charger. The charger will verify commissioning and registration.



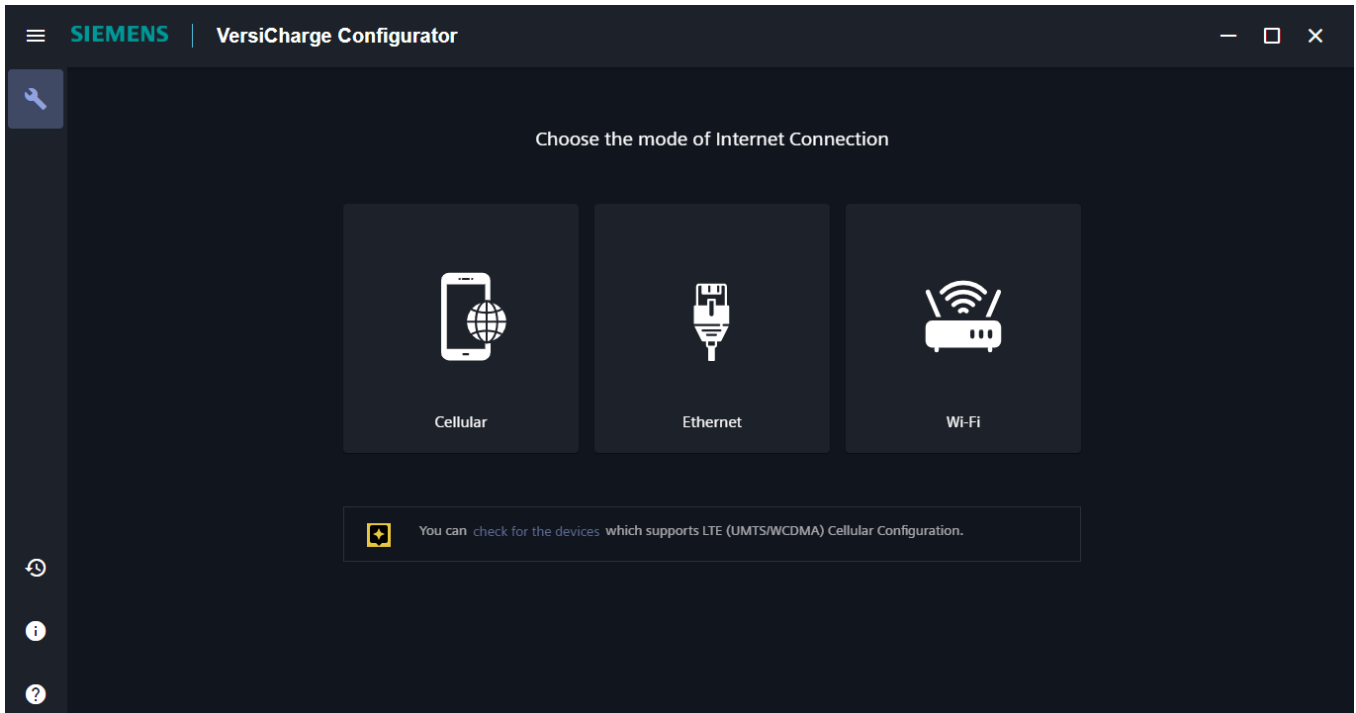
8. The following screen appears if the configuration is successful. The serial number and the catalog number appears on the screen. Click Configure Another Charger to configure another charger.



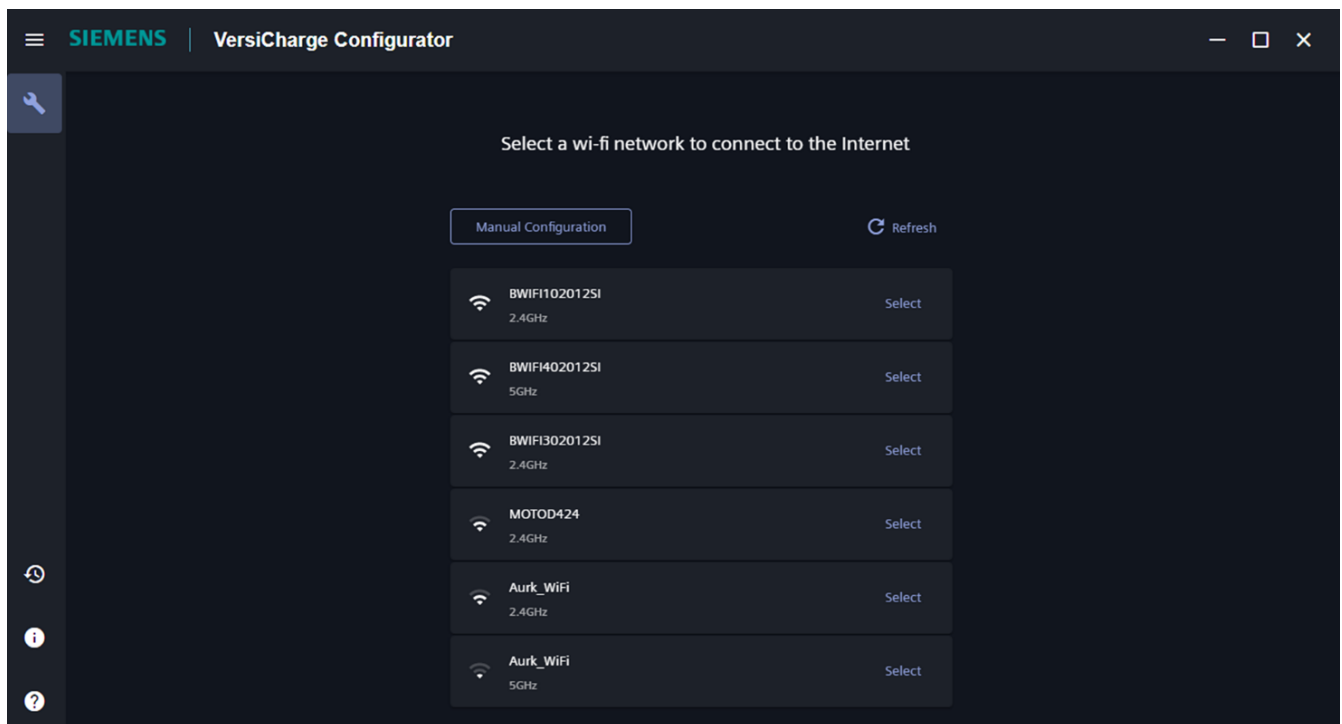
9. After you complete the configuration, log in to VersiCloud and verify whether the charger registration is successful, and the charger has been mapped to your account.

## Configure the Charger in Wi-Fi Mode

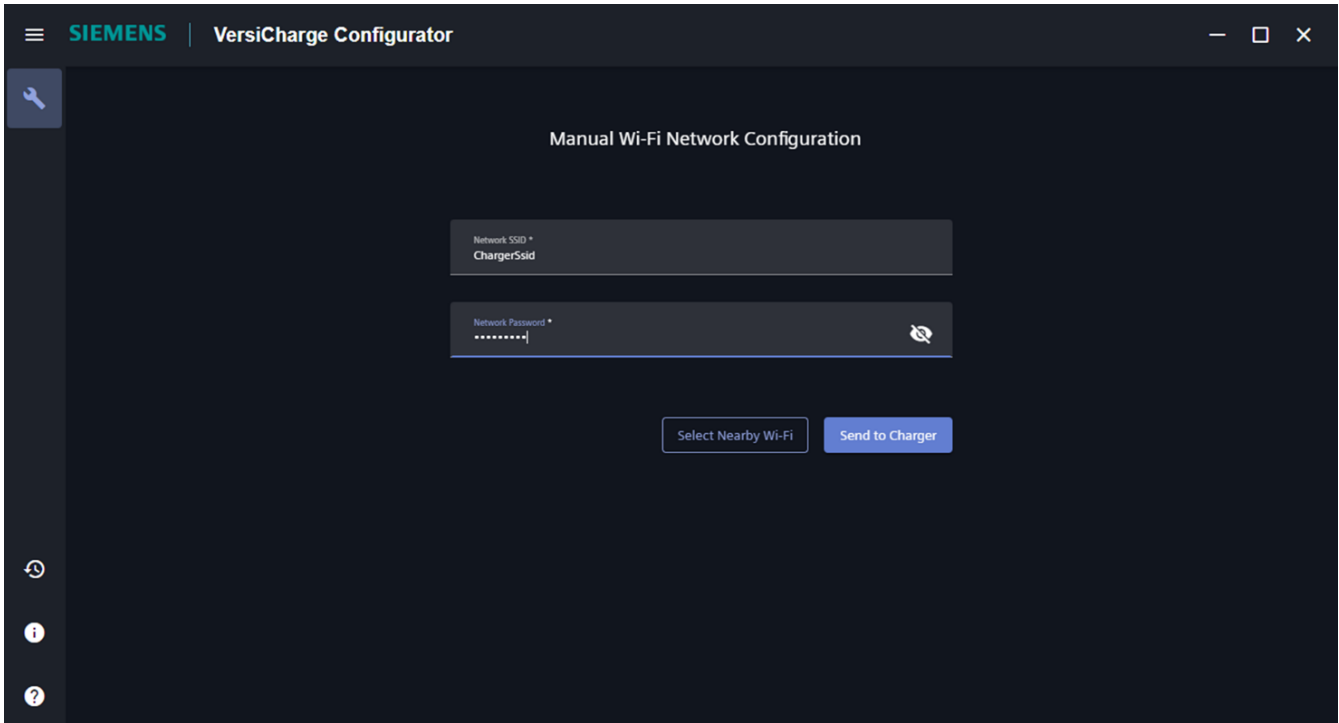
1. Register the charger. For more information, see Register the Charger in this manual.
2. Connect to the charger. For more information, see Connect to the Charger in this manual.
3. Select Wi-Fi in the *Choose Internet Connection* screen.



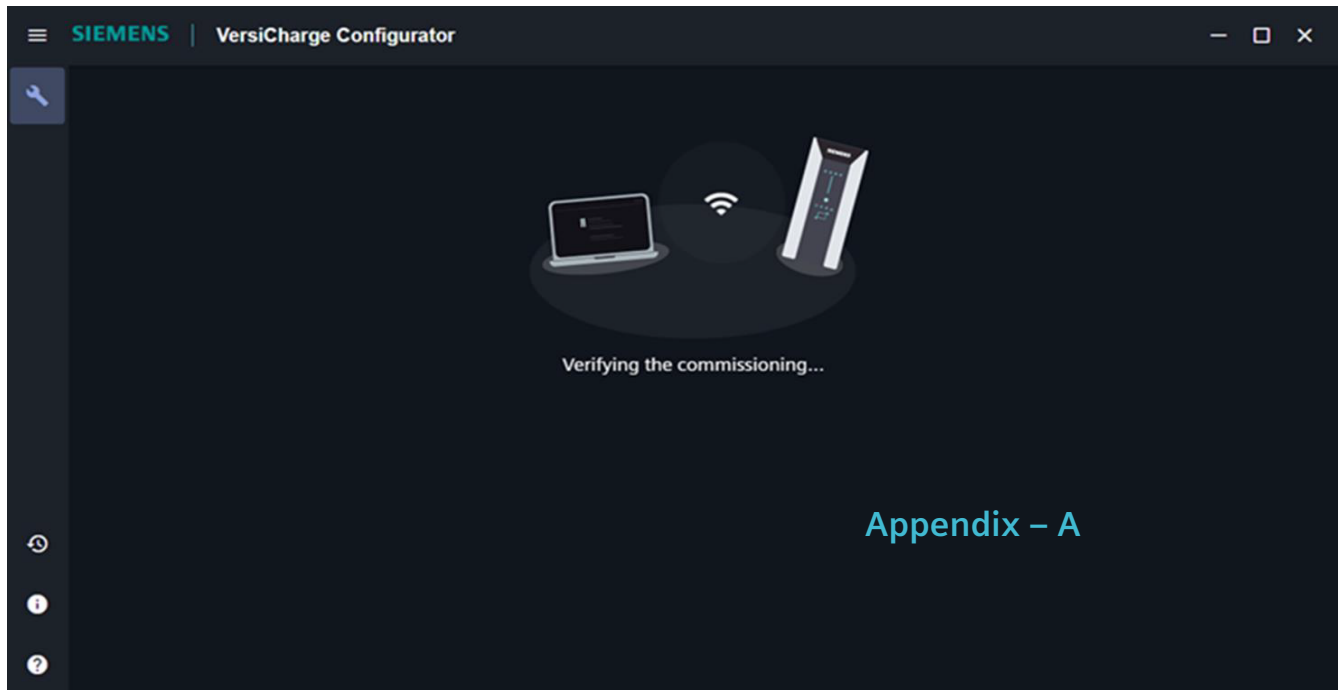
4. Select the Wi-Fi connection with which you want to connect to the Internet.
5. Enter the password and click Send to Charger. To refresh the list of Wi-Fi networks click Refresh.



If the Wi-Fi is not listed, click Manual Configuration to configure the Wi-Fi. You must enter the SSID and hotspot password to manually configure the Wi-Fi configuration.

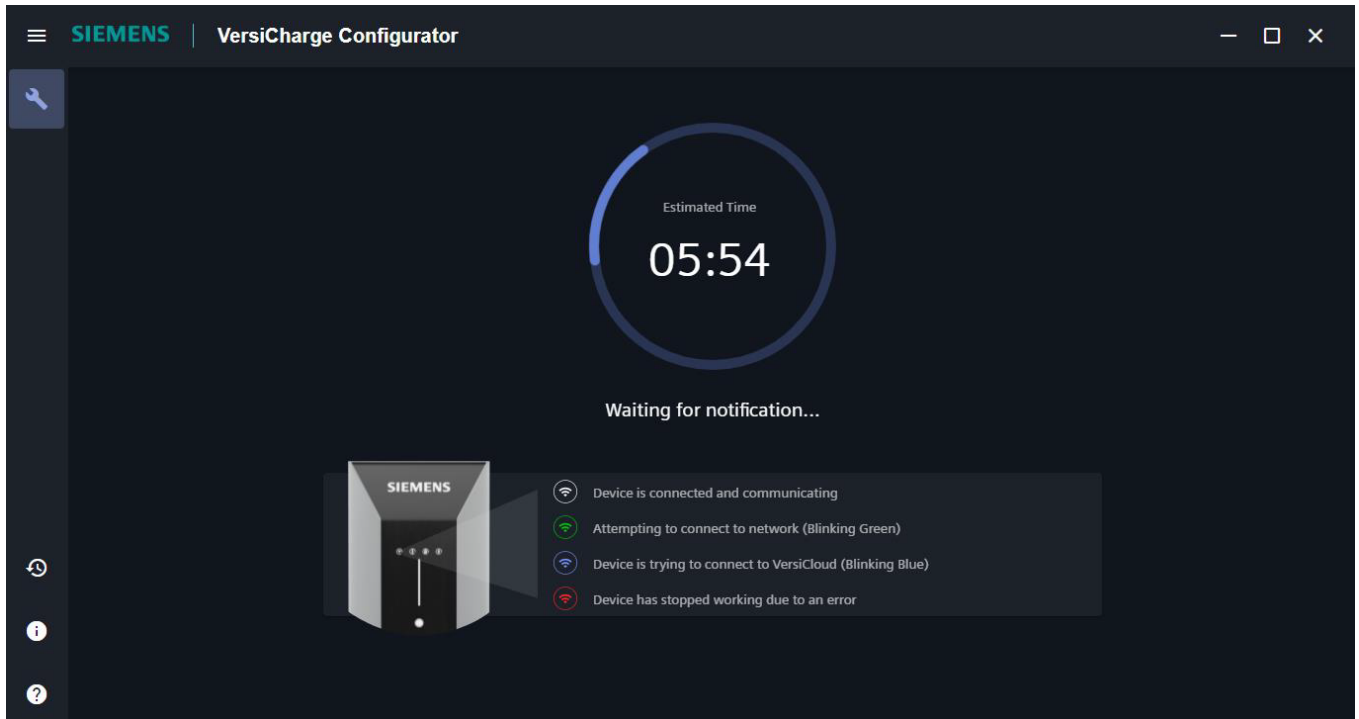


6. Click Send to Device to send the configuration information to the device.



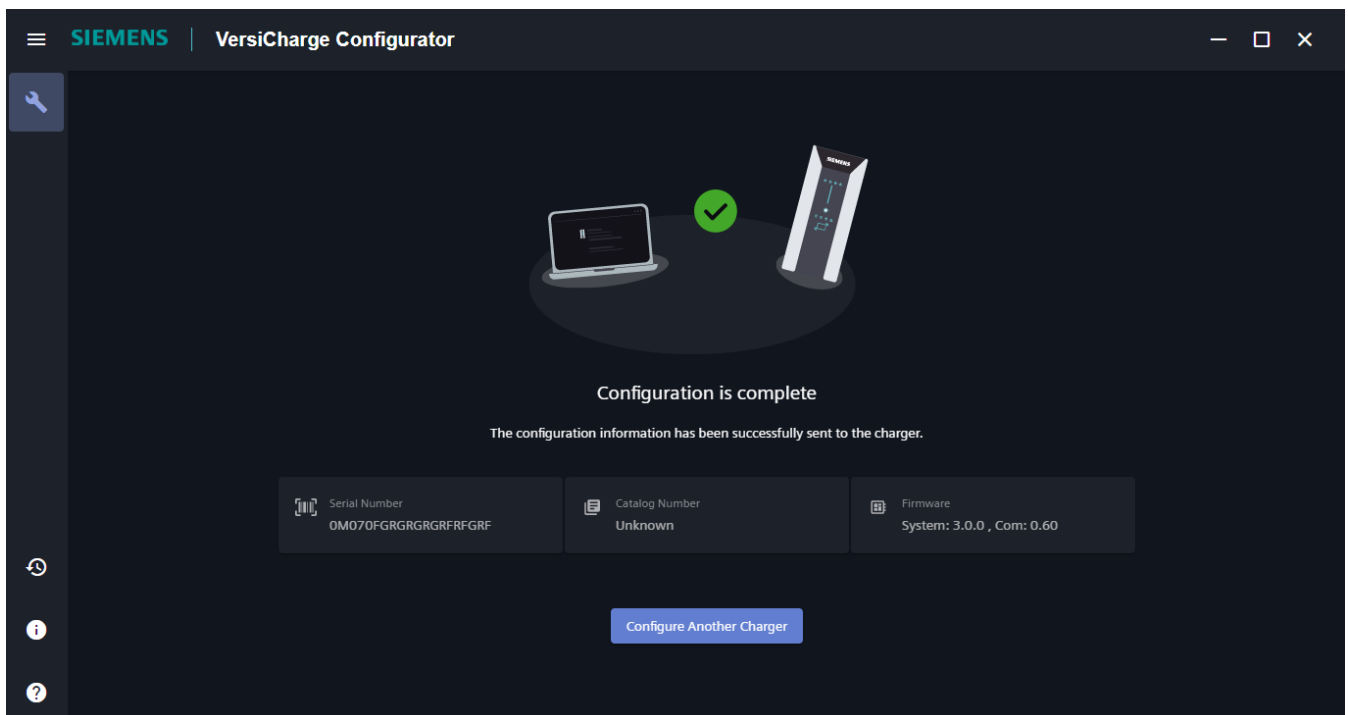
The charger verifies the information and the Wi-Fi Verification screen appears if the information that you entered is correct.

7. In the *Wi-Fi Connection Verification* Screen, select the Wi-Fi LED is in Solid White Color if your charger shows a solid Wi-Fi symbol light.



If you see the Wi-Fi LED blinking with alternate colors, check if the Wi-Fi information you provided is correct and make necessary changes.

- The serial number and the catalog number appears on the screen. Click Configure Another Charger to configure another charger.



- After you complete the configuration, log in to VersiCloud and verify whether the charger registration is successful, and the charger has been mapped to your account.

## Appendix – A

The following table lists the supported VersiCharge chargers.

Name of the Charger	Type	Long Description	Part Number
UL Commercial ModBus Only Child Basic 40A	Basic	L2 AC VC G3 V1.0 Commercial 40A SP metering J1772 (20ft) UL RTU-ModBus RFID Child	8EM1310-4CF11-0BA0
UL Commercial ModBus Only Child Basic 48A	Basic	L2 AC VC G3 V1.0 Commercial 48A SP metering J1772 (20ft) UL RTU-ModBus RFID Child	8EM1310-5CF11-0BA0
VersiCharge Commercial UL Child 40A	Basic	VersiCharge L2 Single Phase Commercial EV Charger 40A with RFID, metering, ModBus, Wi-Fi and Ethernet, Child unit	8EM1310-4CF14-0GA0
VersiCharge Commercial UL Child 48A	Basic	VersiCharge L2 Single Phase Commercial EV Charger 40A with RFID, metering, ModBus, Sim Card slot, Wi-Fi and Ethernet, Parent unit	8EM1310-5CF14-0GA0
VersiCharge Commercial UL Parent 40A	Advanced	VersiCharge L2 Single Phase Commercial EV Charger 40A with RFID, metering, ModBus, Sim Card slot, Wi-Fi and Ethernet, Parent unit	8EM1310-4CF14-1GA1
VersiCharge Commercial UL Parent 48A	Advanced	VersiCharge L2 Single Phase Commercial EV Charger 48A with RFID, metering, ModBus, Sim Card slot, Wi-Fi and Ethernet, Parent unit	8EM1310-5CF14-1GA1

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