

EvoCharge RFID Card Authorization List Upload Guide

This guide provides step-by-step instructions for uploading an RFID card authorization list to an EvoCharge charging station.

RFID Card Specifications

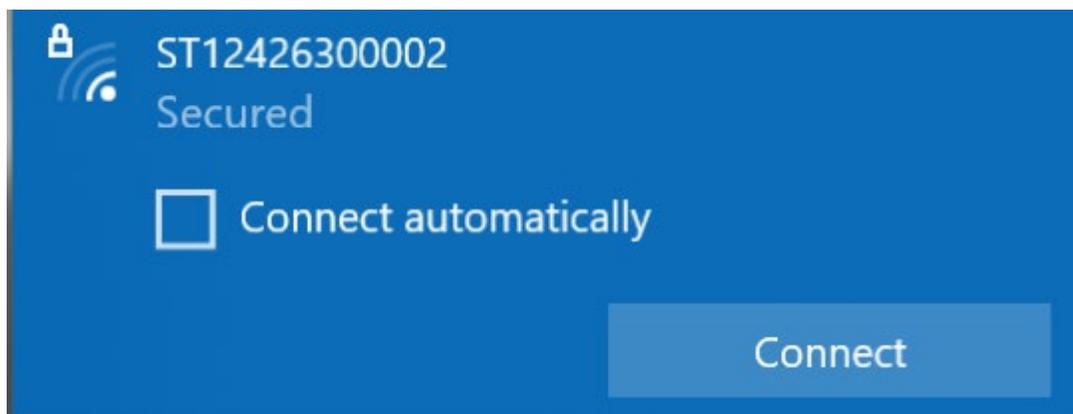
- **Frequency:** 13.56 MHz
- **RF Protocol:** ISO 14443A

Prerequisites

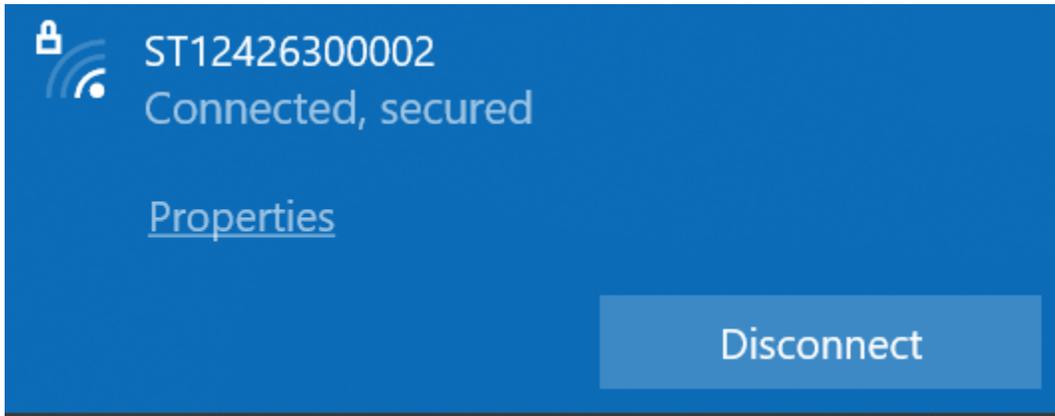
- A laptop or mobile device with Wi-Fi capability
- Web browser (e.g., Google Chrome, Microsoft Edge)
- CSV file formatted for RFID authorization (refer to the example format)

Step 1: Connect to the EvoCharge Charger via Wi-Fi

1. **Locate the Charger's Serial Number:**
 - Find the unique serial number on the Product ID label on the side of the EvoCharge charger. The format is STXXXXXXXXXX (e.g., ST12345678910).
2. **Connect to the Charger's Wi-Fi:**
 - On your laptop or mobile device, navigate to Wi-Fi settings and select the network matching the charger's serial number.



- Enter the password: Evo@123456.
- Verify the connection is established.



Step 2: Access the EvoCharge Web Portal

1. Open a Web Browser:

- Launch a compatible web browser (e.g. Google Chrome or Internet Explorer).

2. Enter the IP Address in the search bar:

- For Wi-Fi: 192.168.2.1
- For Ethernet: 192.168.1.1
- Press **Enter** to load the EvoCharge Web Portal login page.

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User Name

Password

3. Log In:

- **Username:** admin
- **Password:** EvoCharge-50EVSE

Step 3: Configure Charger for RFID Access

1. Access OCPP Settings:

- Navigate to **OCPP Settings > OCPP Settings**.
- Set **AllowOfflineTxForUnknownId** to **False**.

The screenshot shows the OCPP Settings configuration page. The navigation bar includes System, Communication Settings, Maintenance, OCPP Settings (highlighted), and Load Management. The OCPP Service Settings section includes OCPP Settings (highlighted). The configuration table is as follows:

Parameter	Value
AllowOfflineTxForUnknownId	false
AuthorizationCacheEnabled	false
AuthorizeRemoteTxRequests	false
BlinkRepeat	30
ClockAlignedDataInterval	0
ConnectionTimeout	120
ConnectorPhaseRotation	NotApplicable
Connector Phase Rotation Max Length	1

- Set **LocalAuthorizeOffline** to **True**.

The screenshot shows the LocalAuthorizeOffline configuration page. The configuration table is as follows:

Parameter	Value	Unit
HeartbeatInterval	900	Seconds
LightIntensity	100	%
LocalAuthorizeOffline	true	
LocalPreAuthorize	true	
MaxEnergyOnInvalidId	100000	Wh

- o Scroll to the bottom, click Apply

ReserveConnectorZeroSupported	1
ChargeProfileMaxStackLevel	99
ChargingScheduleAllowedChargingRateUnit	Current, Power
ChargingScheduleMaxPeriods	32
ConnectorSwitch3to1PhaseSupported	false
MaxChargingProfilesInstalled	100

2. Disable Plug and Charge:

- o Go to **OCPP Service Settings**.

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System | Communication Settings | Maintenance | **OCPP Settings** | Load Management

OCPP Service Settings | OCPP Settings



Charge Point ID: ST19AF75FF3EE

Protocol Name: ocpp1.6

Message Transport Layer: wss

Server URL: wss://10.13.166.69:8443/steve/websocket/CentralSystemService

Server User Id: [Redacted]

Server Password: [Redacted]

FTP User Id: [Redacted]

- o Set **PlugAndChargeEnable** to **Disable**.

Status Notification After Soft Reset: No

PlugAndChargeEnable: Disable

Plug and Charge Id: Carlen

TLSType: AbbreviatedHandshake

Resume Transaction After Reboot: No

- o Scroll to the bottom, click **Apply**, and confirm the charger reboot by selecting **Yes**.

Custom Display Cost and Price: No

Step 4: Upload the RFID Authorization List

1. Prepare the CSV File:

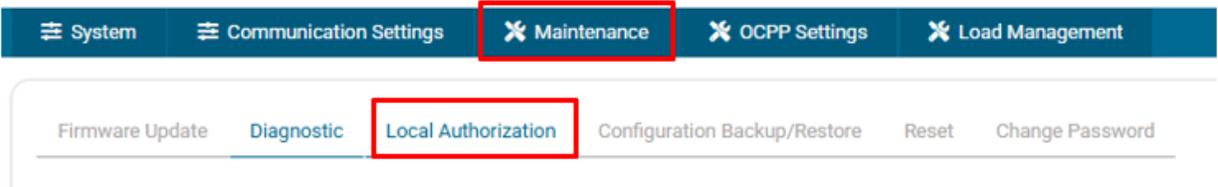
- Create a CSV file with the following structure:
 - **Column A:** RFID ID Tag
 - **Column B:** Expiration date (format: YYYY-MM-DDTHH:MM:SS.sssZ, e.g., 2099-01-27T07:27:25.080Z)
 - **Column D:** Status (Accepted or Rejected)
- Save the file as a .csv type. Refer to the provided Auth List Example.xlsm for guidance.



2. Upload the CSV File:

- In the Web Portal, navigate to **Maintenance > Local Authorization**.

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- Under **Local Authorization List**, click **Browse**, select the CSV file, and click **Upload List**.



3. Manage the Authorization List:

- To view the uploaded RFID data, click **Show Authorization List**.
- To remove the data, click **Clear Authorization List**.

Local Authorization List



The screenshot displays the 'Local Authorization List' interface. At the top, there are two buttons: 'Show Authorization List' and 'Clear Authorization List', both of which are highlighted with red rectangular boxes. Below these buttons is a file upload section. It includes a 'Browse File' label, a text input field that currently contains the text 'No file chosen', and three buttons: 'Browse', 'Cancel', and 'Upload List'.

Step 5: Finalize

- If an Ethernet cable was used, disconnect it.
- Re-secure the charger cover if it was removed.

Notes

- Ensure the CSV file adheres to the specified format to prevent upload errors.
- The expiration date must include the T separator and Z for UTC time.
- If issues arise, verify the Wi-Fi connection, IP address, login credentials, or CSV format.

For additional support, contact EvoCharge technical support.