

How to Upload RFID Card Authorization List Instruction Guide



Uploading RFID Card Authorization List Instructions

RFID Card Spec:

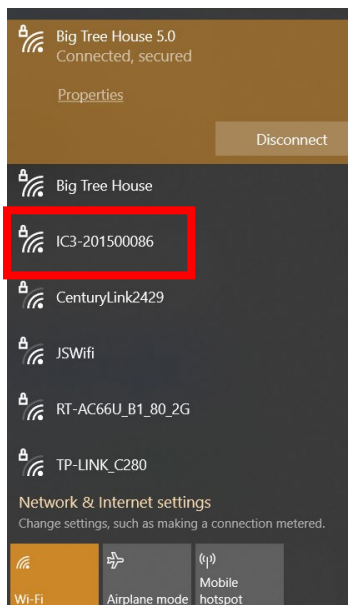
Frequency: 13.56 MHz/RF Protocol: ISO 14443A

<https://www.amazon.com/gp/product/B07Q1D7STV/?th=1>

1. Check to see if there is an Antenna Icon on the charging station (see picture below). If the Antenna Icon is not present refer to the “Equipment Required for Charger Without Antenna Icon” section and start at step 4.



2. Locate the EVO charger's SSID in the available nearby networks. It will begin with IC3-XXXXXXXX (see example below).



3. The login credentials are as follows:
SSID: IC3-XXXXXXXXX
Password: XXXXXXXXXXX@IC3

Example of credentials (using picture from step 2):

SSID: IC3-201500086

Password: 201500086@IC3

- 3.1) Once connected to the network proceed to step 6.

Equipment Required for Charger Without Antenna Icon:

TORX L-Key Size 20

https://www.amazon.com/EKLIND-10807-TORX-star-L-Key/dp/B000186GWC/ref=sr_1_9?crd=23P3AW2KE4ZAG&dchild=1&keywords=eklind+torx+set&qid=1617403299&spre fix=torx+eklind%2Caps%2C186&sr=8-9



RJ-45 Cable (Ethernet Cable)

https://www.amazon.com/Monoprice-Flexboot-Ethernet-Patch-Cable/dp/B00AJHC7BY/ref=sr_1_3?dchild=1&keywords=ethernet+cable+5%27&qid=1617403544&sr=8-3



Computer W/ RJ-45 Port (ethernet port) & Google Chrome

Note: A USB to RJ-45 Adaptor Will Work.

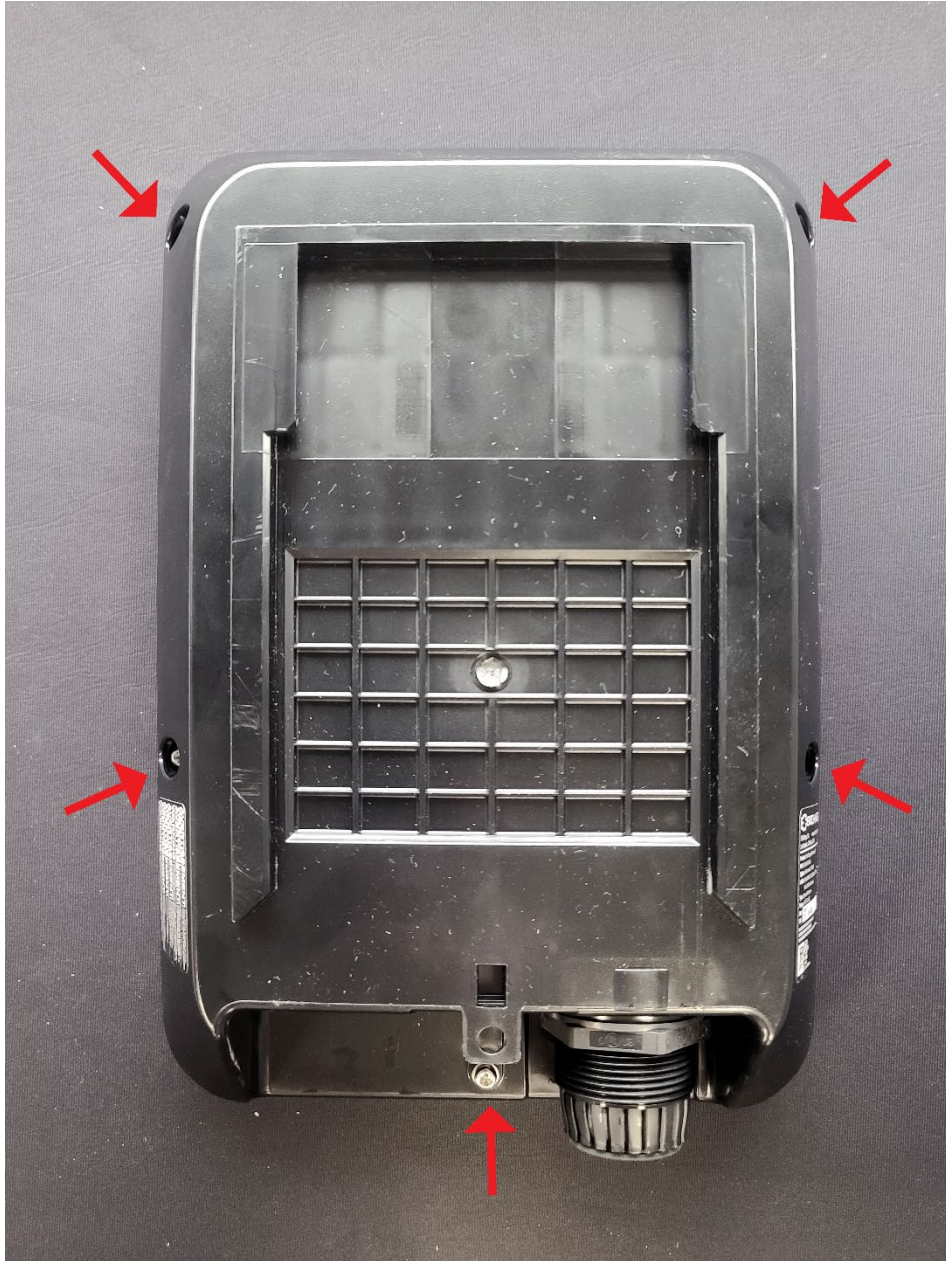
https://www.amazon.com/Cable-Matters-Ethernet-Adapter-Supporting/dp/B00BBD7NFU/ref=sr_1_3?crd=38KA8H9914TR6&dchild=1&keywords=usb+to+rj45+adapter&qid=1617403842&sprefix=usb+to+rj+%2Caps%2C181&sr=8-3



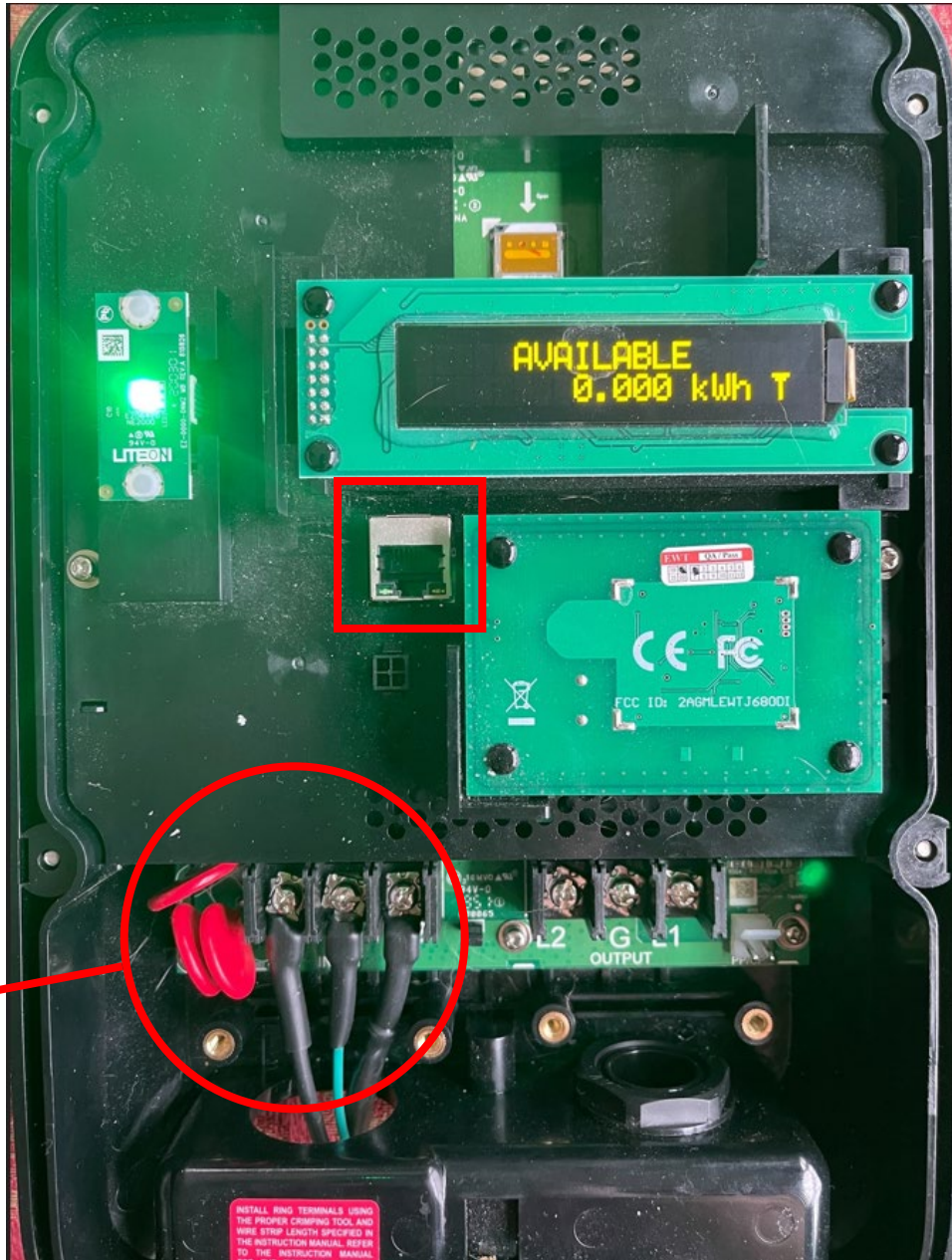
4. Remove the charger's cover by loosening the five screws located on the back of the charger. Use the **T20 L-Key**.



WARNING: RISK OF ELECTRIC SHOCK. THE CHARGER NEEDS TO BE ON. ONCE THE COVER IS REMOVED THE INPUT POWER TERMINALS WILL BE EXPOSED IN THE LOWER LEFTHAND CORNER. USE CAUTION.

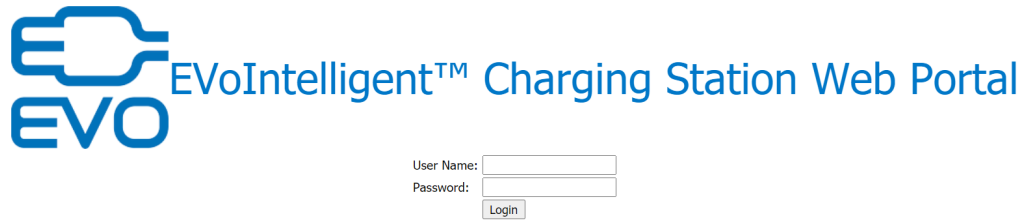


5. Connect the **Ethernet Cable** to the RJ-45 port on the Front of the charger. You will also need to connect the other end to the **Laptop**.



**WARNING: RISK OF
ELECTRIC SHOCK**

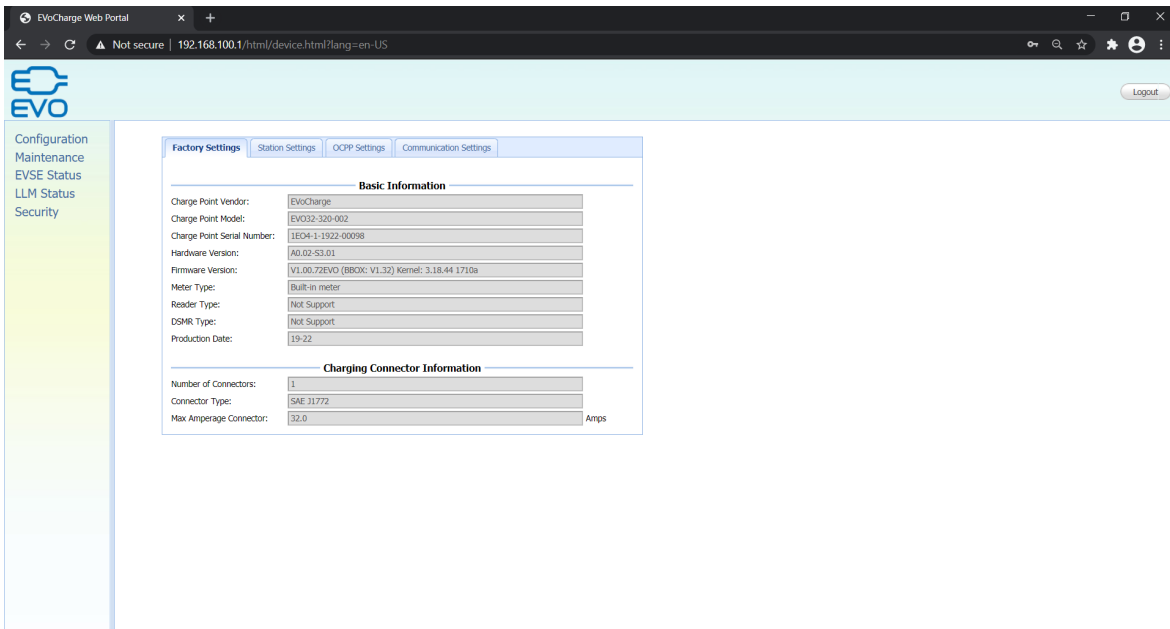
- Open Google Chrome on the **Laptop**. In the address bar type **192.168.100.1**. This will take you to the charger's portal.



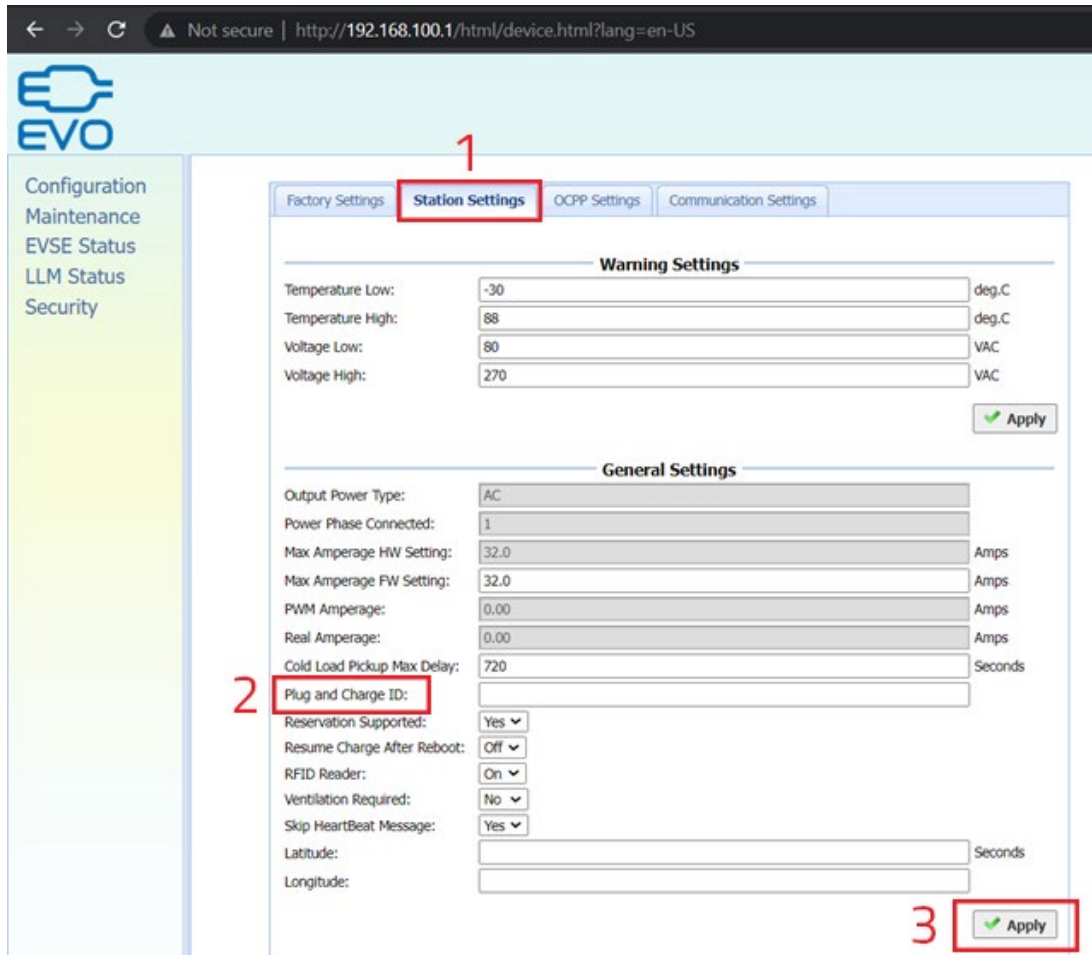
Step 4: Type in the Username and Password.

Username: **admin**

Password: **EVO32iEVSE**




7. Click on the “**Station Settings**” Tab. Delete any characters in the “Plug and Charge ID” (Note: This field may already be blank). Then **click** “Apply”



8. Click the “OCPP Settings” tab. Change the “AllowOfflineTxForUnknownId” to **No**. Scroll down to “LocalAuthorizeOffline” & LocalPreAuthorize.” Both of these settings need to be set to **Yes**. Then scroll all the way down, and **click** “Apply.”

← → ↻ Not secure | http://192.168.100.1/html/device.html?lang=en-US



Configuration
Maintenance
EVSE Status
LLM Status
Security

Factory Settings Station Settings **OCPP Settings** Communication Settings

Remote Control Settings

Remote Control Type*: OCPP


Service Settings

Charge Point ID*: 1E02-1-2015-00086
 Protocol Name: ocpp1.6j
 Central System URL*: ws://centralsystem.serverurl.com/ocpp
 Basic Auth ID*:
 Basic Auth Password*:
 FTP Server Username:
 FTP Server Password:
 Message Transport Layer: WS
 Boot Notification Interval: 900 Seconds
 Boot Notification Retries: -1
 PDU Timeout: 30 Seconds
 Download Firmware Interval: 300 Seconds
 Download Firmware Retries: 3
 Upload Diagnostic Interval: 300 Seconds
 Upload Diagnostic Retries: 3

OCPP1.6 Settings

AllowOfflineTxForUnknownId: Yes

← → ↻ Not secure | http://192.168.100.1/html/device.html?lang=en-US




Configuration
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Upload Diagnostic Retries: 3

OCPP1.6 Settings

AllowOfflineTxForUnknownId: Yes
 AuthorizationCacheEnabled: Yes
 AuthorizeRemoteTxRequests: No
 BlinkRepeat: 30 Times
 ClockAlignedDataInterval: 0 Seconds
 ConnectionTimeOut: 120 Seconds
 GetConfigurationMaxKeys: 128
 HeartBeatInterval: 43200 Seconds
 LightIntensity: 100 %
 LocalAuthorizeOffline: Yes
 LocalPreAuthorize: Yes
 MaxEnergyOnInvalidId: 7680 Wh
 MeterValuesAlignedData: Current.Import,Current.Offered,Energy.Active.Import.Register,En
 MeterValuesAlignedDataMaxLength: 7
 MeterValuesSampledData: Current.Import,Current.Offered,Energy.Active.Import.Register,Po
 MeterValuesSampledDataMaxLength: 6
 MeterValueSampleInterval: 900 Seconds
 MinimumStatusDuration: 0 Seconds
 NumberOfConnectors: 1
 ResetRetries: 0 Times
 ConnectorPhaseRotation: NotApplicable
 ConnectorPhaseRotationMaxLength: 1
 StopTransactionOnEVSideDisconnect: Yes
 StopTransactionOnInvalidId: Yes
 StopTxnAlignedData: Energy.Active.Import.Register,Energy.Active.Import.Interval

← → ↻ Not secure | http://192.168.100.1/html/device.html?lang=en-US



Configuration

Maintenance

EVSE Status


LLM Status

Security

MeterValueSampleInterval:	900	Seconds
MinimumStatusDuration:	0	Seconds
NumberOfConnectors:	1	
ResetRetries:	0	Times
ConnectorPhaseRotation:	NotApplicable	
ConnectorPhaseRotationMaxLength:	1	
StopTransactionOnEVSideDisconnect:	Yes	
StopTransactionOnInvalidId:	Yes	
StopTxnAlignedData:	Energy.Active.Import.Register.Energy.Active.Import.Interval	
StopTxnAlignedDataMaxLength:	5	
StopTxnSampledData:	Energy.Active.Import.Register	
StopTxnSampledDataMaxLength:	4	
SupportedFeatureProfiles:	Core,Firmware Management,Local Auth List Management,Reservation,	
SupportedFeatureProfilesMaxLength:	6	
TransactionMessageAttempts:	10	Times
TransactionMessageRetryInterval:	10	Seconds
UnlockConnectorOnEVSideDisconnect:	No	
WebSocketPingInterval:	180	Seconds
LocalAuthListEnabled:	Yes	
LocalAuthListMaxLength:	1000	
SendLocalListMaxLength:	1000	
ReserveConnectorZeroSupported:	Yes	
ChargeProfileMaxStackLevel:	99	
ChargingScheduleAllowedChargingRateUnit:	Current,Power	
ChargingScheduleMaxPeriods:	32	
ConnectorSwitch3to1PhaseSupported:	No	
MaxChargingProfilesInstalled:	10	

7 Apply

6



9. Create a CSV file that is formatted the following way (see attached Auth List Example File as an example). Ensure the file is Saved As a CSV file Type.



Auth List Example.xlsm

A csv file is a plain text file which each line represent a RFID card info. The format of a card info is as follow:

CARD_IDTAG,EXPIRY_DATE,PARENT_CARD_IDTAG,CARD_STATUS

CARD_IDTAG: 8 ~ 20 character RFID card ID tag combined with alphabet or numbers.

EXPIRY_DATE: The date at which idTag should be removed from the Authorization Cache.

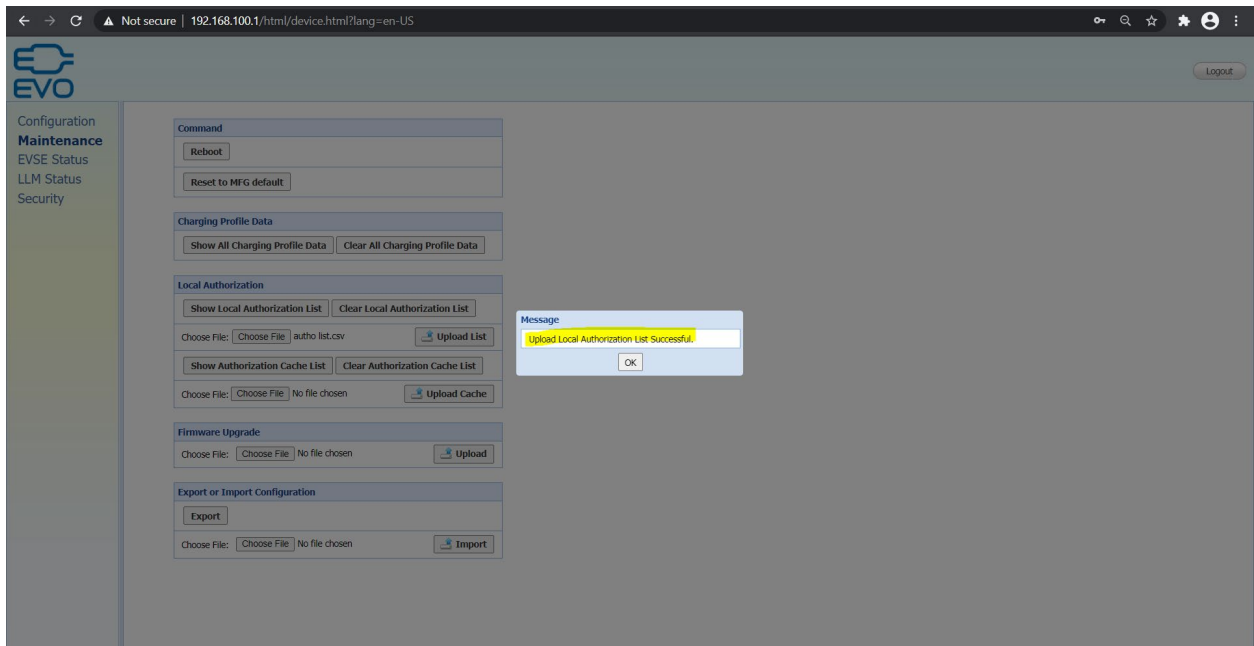
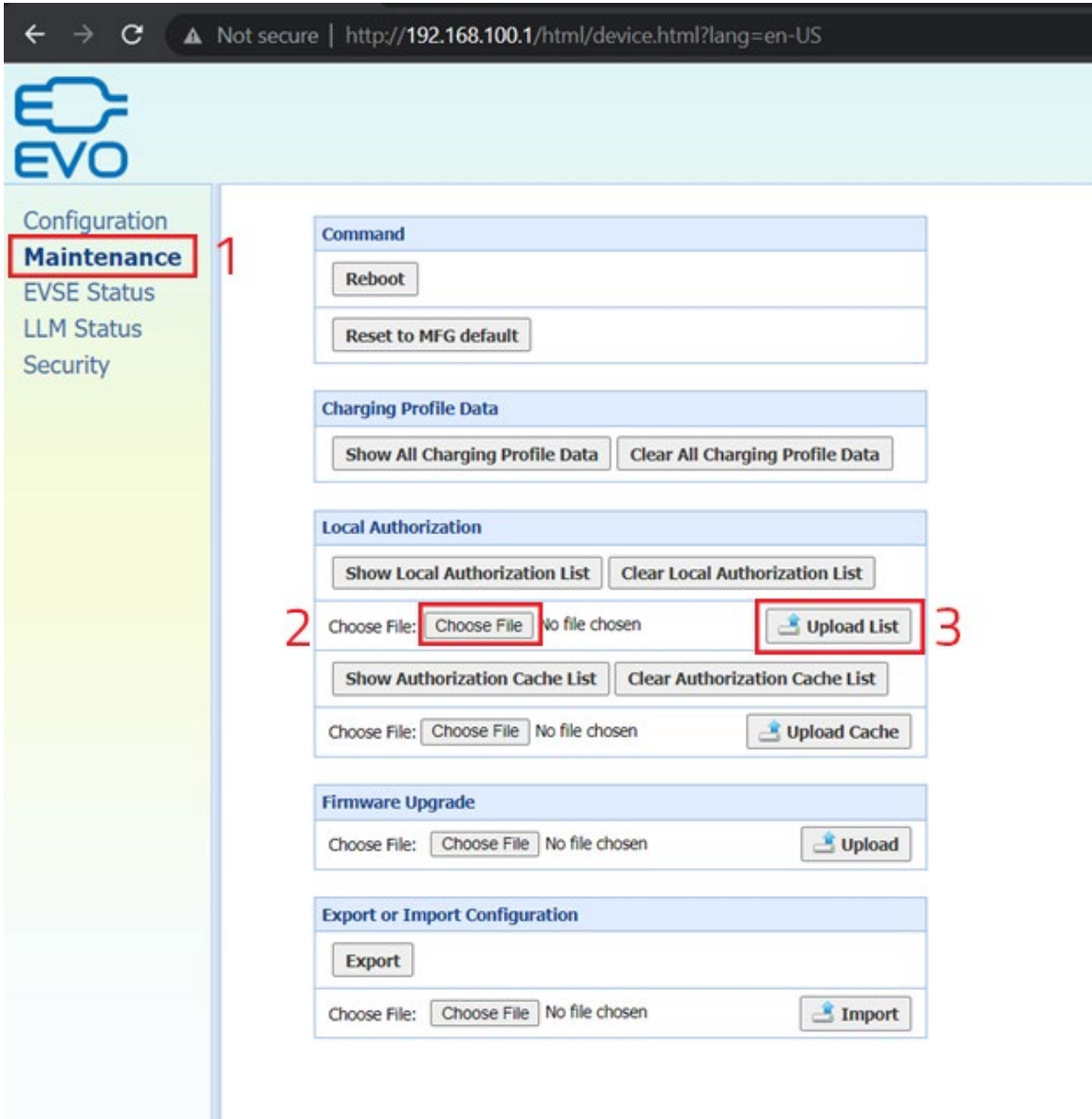
Format is *YYYY-MM-DDThh:mm:ss.ttt* which indicates a date in AD.

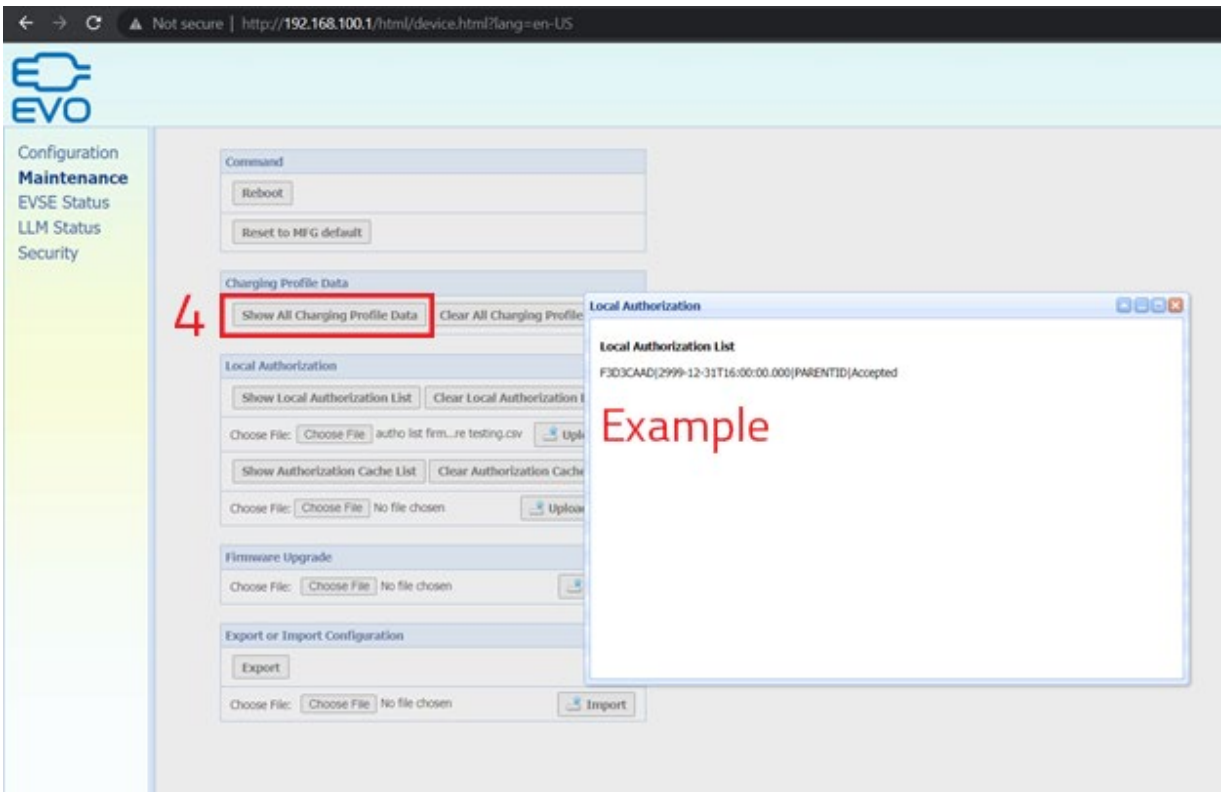
Example: 2019-12-31T16:00:00.000

PARENT_CARD_IDTAG: the parent-identifier of the card. The format is same as CARD_IDTAG.

CARD_STATUS: This contains whether the idTag has been accepted or not by the Central System. Valid options are **Accepted**, **Blocked**, **Expired** or **Invalid**. This string is case sensitive.

10. The next step is uploading the CSV file. Click on "Maintenance" on the left-hand column. Then click on "Choose File." This will allow you to search for the CSV. Once you have selected the CSV, you can click "Upload List." You will then see "Upload Local Authorization List Successful." Click "Show Local Authorization List" to confirm.





11. If the cover was removed, you may disconnect the **Ethernet Cable**. The cover can then be resecured to the charger (Note: ensure that the screws are tight to prevent water damage).