



EVOCHARGE How to Upload RFID Card Authorization User Guide

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EVOCHARGE®

EVOCHARGE How to Upload RFID Card Authorization



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-XXXXXXXX**Password:** XXXXXXXXX@IC3

Example of credentials (using picture from step 2):

SSID: IC3-201500086**Password:** 201500086@IC3

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?crid=23P3AW2KE4ZAG&dchild=1&keywords=eklind+torx+set&qid=1617403299&srefix=torx+eklind%9

2. 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

3.



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

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

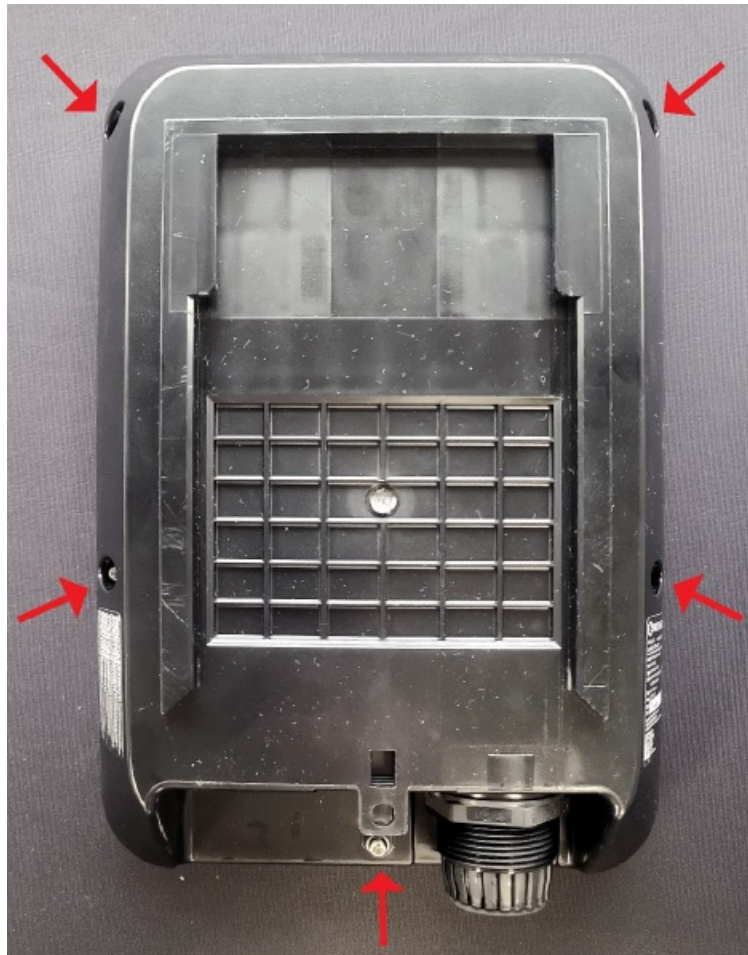
https://www.amazon.com/Cable-Matters-Ethernet-Adapter-Supporting/dp/B00BBD7NFU/ref=sr_1_3?crid=38KA8H9914TR6&dchild=1&keywords=usb+to+rj45+adapter&qid=1617403842&srefix=usb+to+3

4.



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

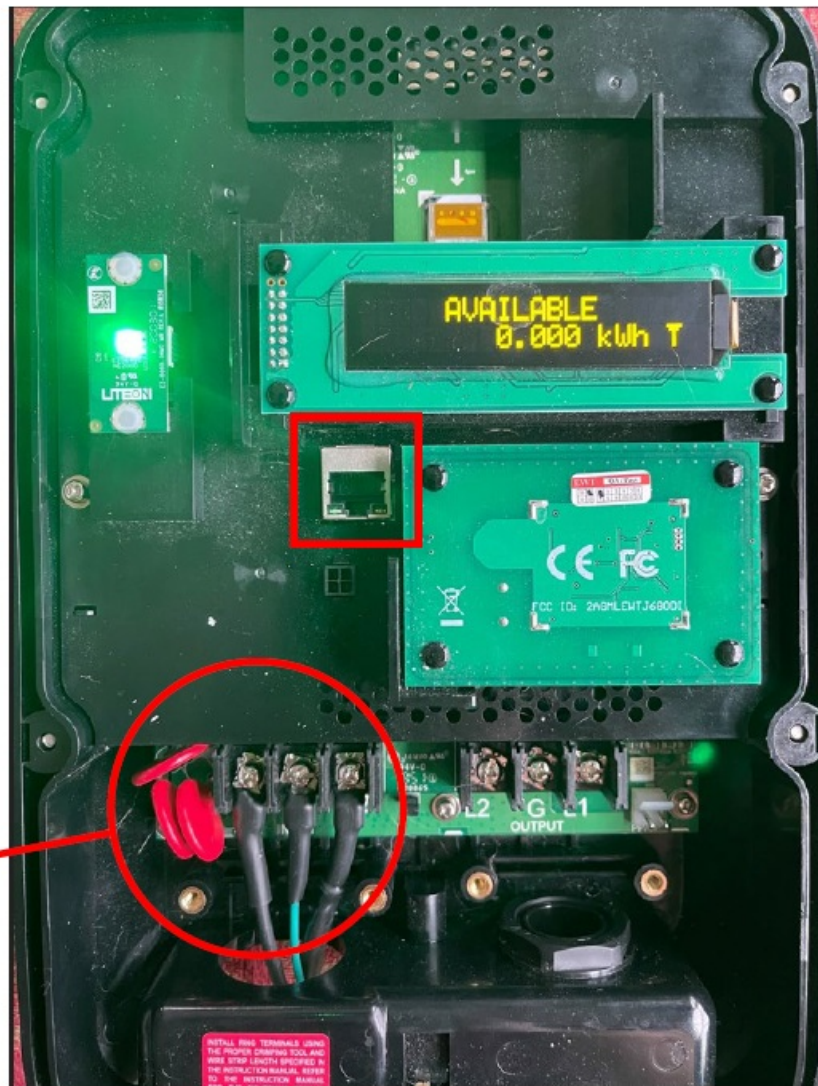
WARNING: RISK OF ELECTRIC SHOCK. THE CHARGER NEEDS TO BE ON. ONCE THE COVER IS REMOVED THE INPUT POWER TERMINALS WILL BE EXPOSED IN THE LOWER LEFTHAND CORNER. USE CAUTION.



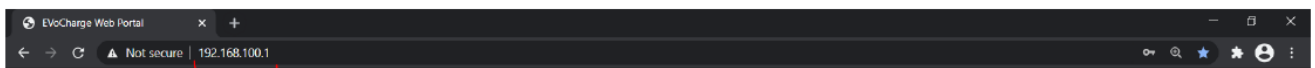
5. Connect the Ethernet Cable to the RJ-45 port on the Front of the charger. You will also need to connect the other end to the Laptop.



WARNING: RISK OF
ELECTRIC SHOCK



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



User Name:
Password:

Once your laptop or cellular phone is connected to the EVOCHARGE iEVSE charging station via Wi-Fi, open a web browser (e.g. Google Chrome or Internet Explorer) and enter the following IP address into the address bar and press “enter”

32A Product: 192.168.100.1 or click on the following hyperlink: <http://192.168.100.1>

40A Product: 192.168.200.1 or click on the following hyperlink: <http://192.168.200.1>

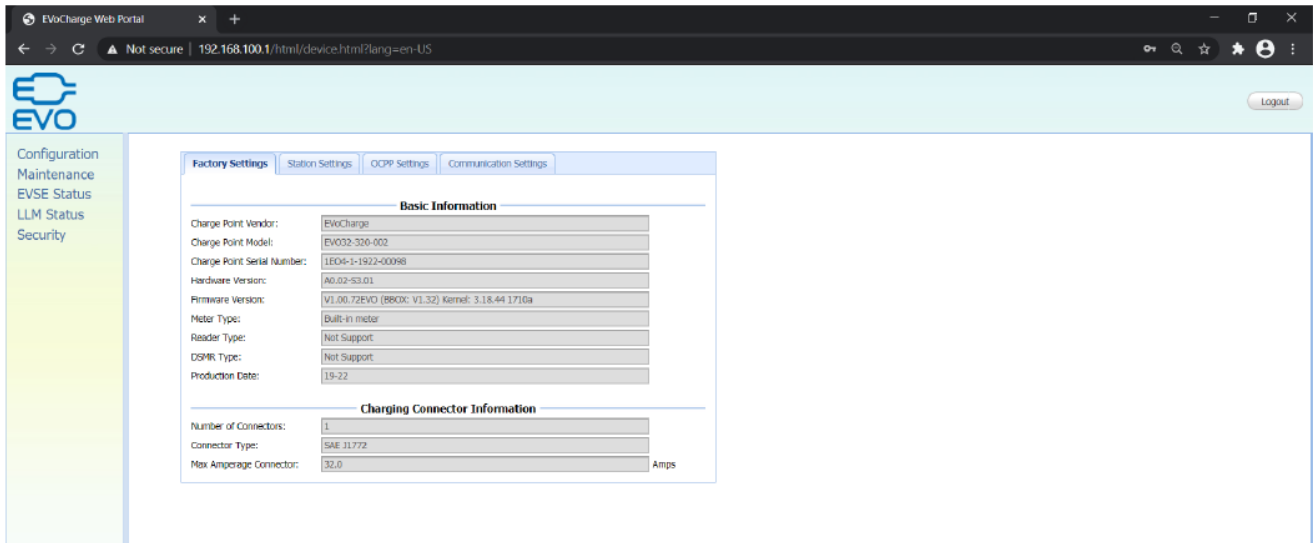
Once the IP address is entered, you should see the EVOCHARGE Web Portal login screen. Type in the Username and Password:

Username: admin

32A Product – Password: EVO32iEVSE

40A Product – Password: EVO40iEVSE

7.



EvoCharge Web Portal

Not secure | 192.168.100.1/html/device.html?lang=en-US

EVO

Configuration
Maintenance
EVSE Status
LLM Status
Security

Factory Settings | Station Settings | OCPP Settings | Communication Settings

Basic Information

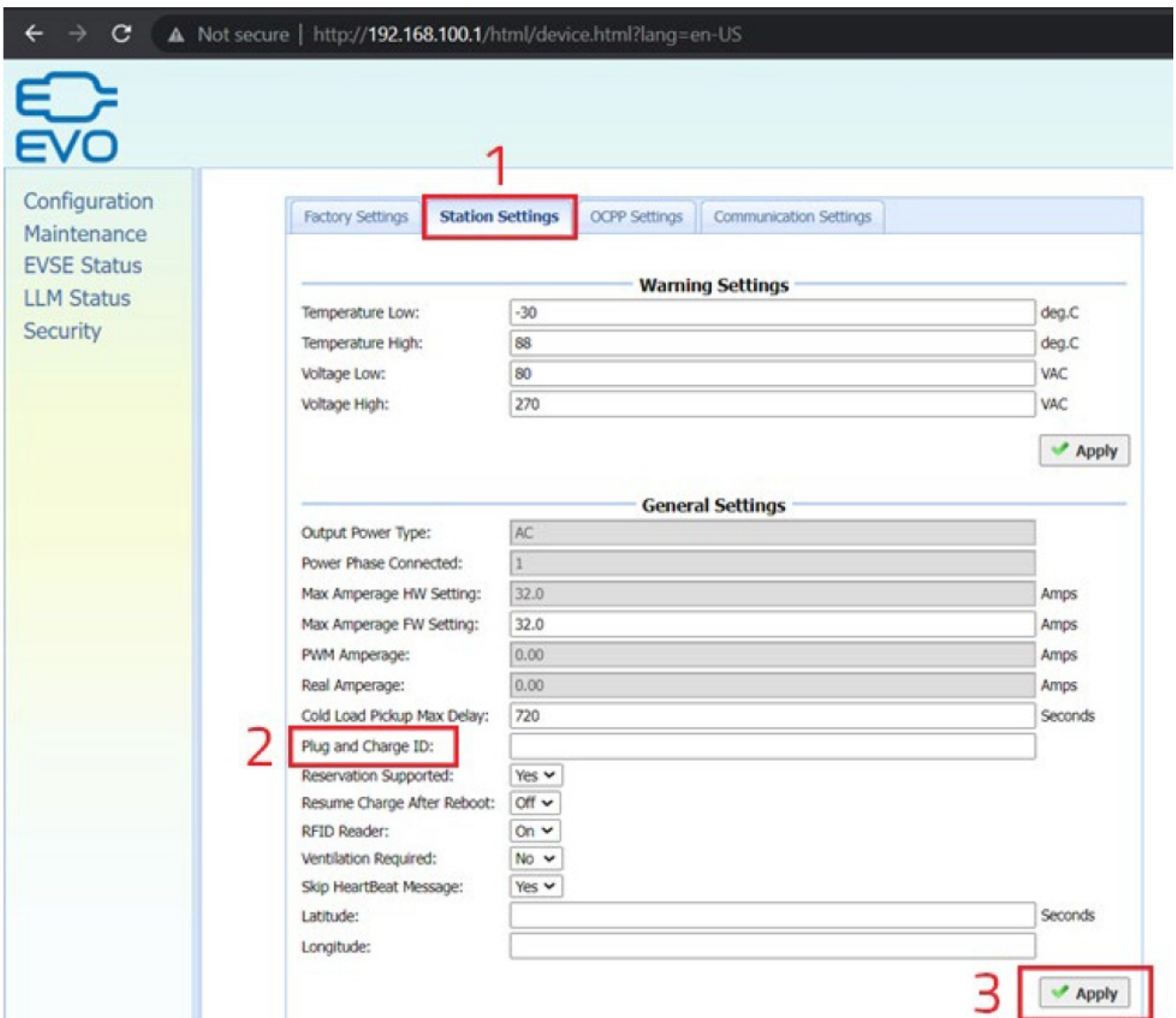
Charge Point Vendor:	EvoCharge
Charge Point Model:	EVO32-320-002
Charge Point Serial Number:	1E04-1-1922-00098
Hardware Version:	A0.02-93.01
Firmware Version:	V1.00.72EVO (R800: V1.32) Kernel: 3.18.44 1710a
Meter Type:	Built-in meter
Reader Type:	Not Support
DSMR Type:	Not Support
Production Date:	19-22

Charging Connector Information

Number of Connectors:	1
Connector Type:	SAE J1772
Max Amperage Connector:	32.0 Amps

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.



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

EVO

Configuration
Maintenance
EVSE Status
LLM Status
Security

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

Warming Settings

Temperature Low:	-30	deg.C
Temperature High:	88	deg.C
Voltage Low:	80	VAC
Voltage High:	270	VAC

Apply

General Settings

Output Power Type:	AC	
Power Phase Connected:	1	
Max Amperage HW Setting:	32.0	Amps
Max Amperage FW Setting:	32.0	Amps
PWM Amperage:	0.00	Amps
Real Amperage:	0.00	Amps
Cold Load Pickup Max Delay:	720	Seconds
Plug and Charge ID:		
Reservation Supported:	Yes	
Resume Charge After Reboot:	Off	
RFID Reader:	On	
Ventilation Required:	No	
Skip HeartBeat Message:	Yes	
Latitude:		Seconds
Longitude:		

Apply

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

EVO

Configuration
Maintenance
EVSE Status
LLM Status
Security

1

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

Remote Control Settings

Remote Control Type*: OCPP ▾

✓ Apply

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

✓ Apply

2

OCPP1.6 Settings

AllowOfflineTxForUnknownId: Yes ▾



Configuration
Maintenance
EVSE Status
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Security

Upload Diagnostic Retries:

3

✓ Apply

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 ▾

5 LocalPreAuthorize: 4 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

EVO

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	

6 ↓

7 ✓ Apply

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.

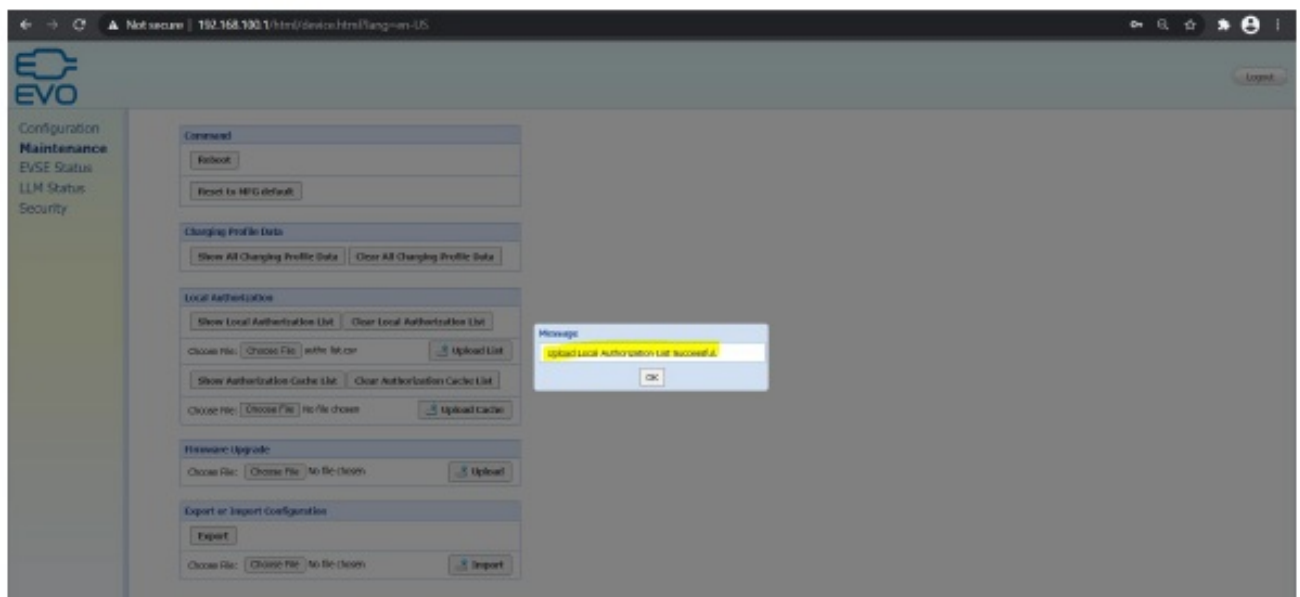
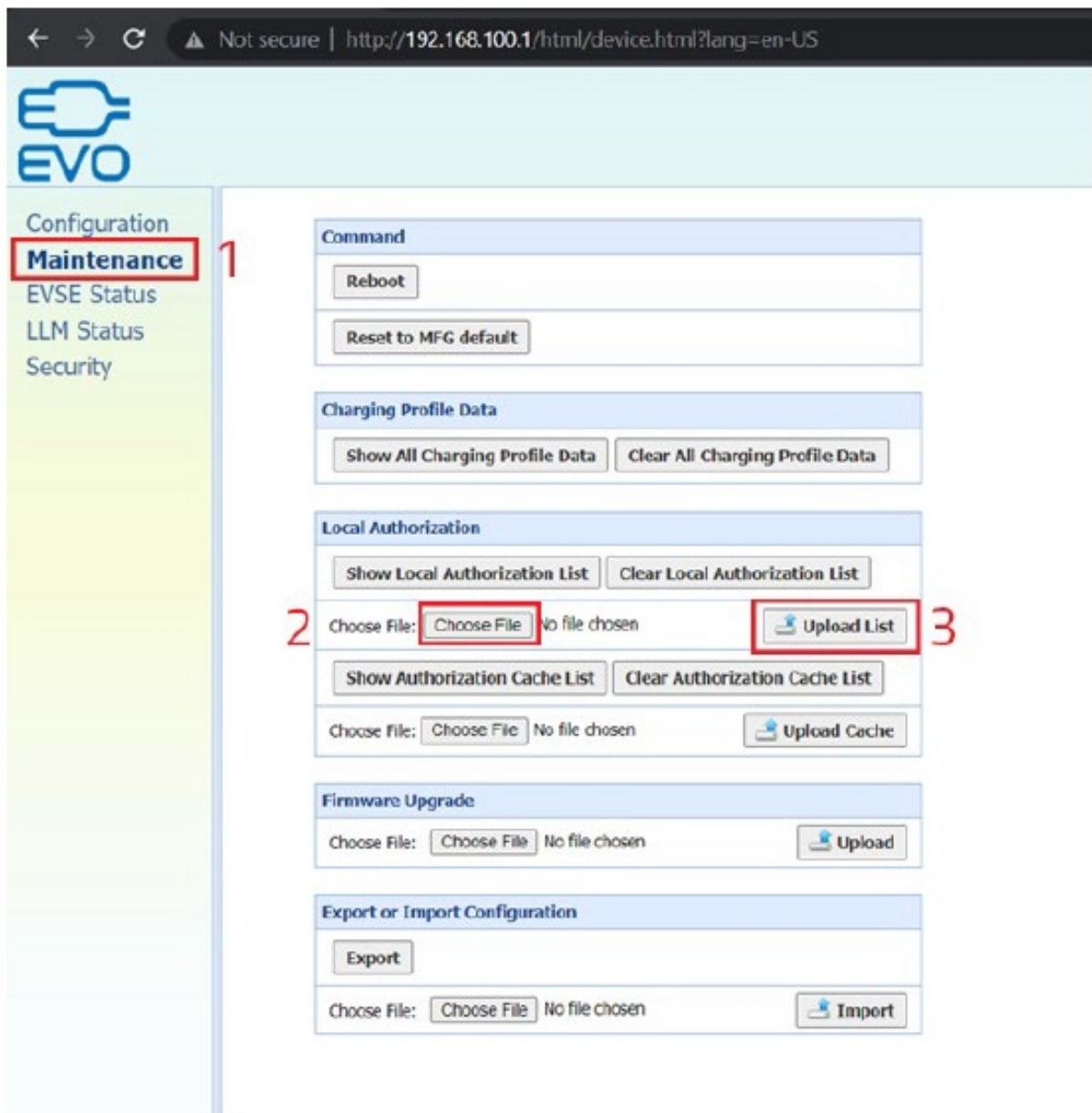
Format is *YYYY-MM-DDThh:mm:ss.ttt* which indicates a date in AD.

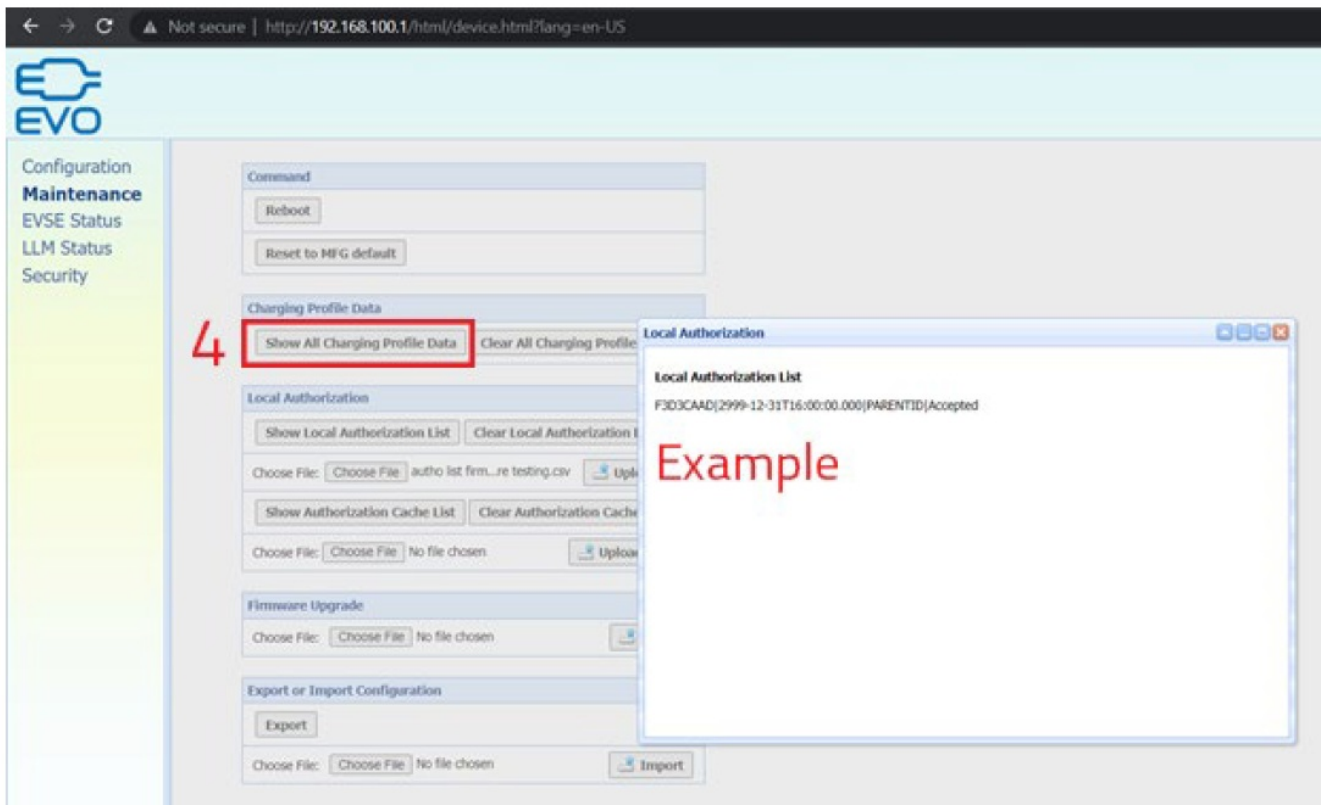
Example: 2019-12-31T16:00:00.000

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).

Documents / Resources

	<p>EVOCHARGE How to Upload RFID Card Authorization [pdf] User Guide</p> <p>How to Upload RFID Card Authorization, Upload RFID Card Authorization, RFID Card Authorization, Card Authorization</p>
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References

- [a MIFARE Classic 1K RFID Smart Cards \(100 Pack\) 13.56MHz 14443A Blank RFID Hotel Key Cards Printable \(no mag Stripe\) \(100\) : Electronics](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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